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## South Carolina Ambient Ground Water Quality Monitoring Network 2000

Annual Report



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# **South Carolina Ambient Groundwater Quality Monitoring Network**

**by**

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## **ABSTRACT**

An ambient groundwater quality monitoring network has been established in South Carolina for the purpose of obtaining statewide and aquifer-specific baseline values of groundwater quality. This network utilizes selected public and private water supply wells for obtaining groundwater samples. Initial sampling was performed in 1987 encompassing 19 wells in four counties. Over the next few years, wells from various counties were added from all the major aquifers of South Carolina, and today we have a comprehensive network of 115 wells sampling various depths and locations of the nine major aquifers of the state.

The geology of South Carolina influences the quality and composition of the groundwater and dictates the methods of obtaining the water, and is separated neatly along the fall-line running along a SW-NE line through the middle of the state. Wells sampled in the Piedmont tap either the thin layer of saprolite at the surface, or the underlying fractured bedrock, consisting of low to medium grade metamorphic rocks with scattered granitic plutons. Wells sampled to the east of the fall-line tap one of the seven extensive coastal plain aquifers that, with one exception, consist of unconsolidated, interbedded sands and clays. The exception is the Tertiary limestone aquifer, known as the Floridan aquifer.

Water quality data indicates that a high degree of variability exists throughout the coastal plain, with anion and cation concentrations generally increasing toward the coast. The presence and concentration of many chemical constituents are controlled by aquifer geology and geochemistry. It is the purpose of this report to describe and explain some of the trends in geochemistry that exist throughout the aquifers of South Carolina.

## **INTRODUCTION**

The state of South Carolina depends upon its groundwater resources to supply an estimated 40 percent of its residents. To monitor the ambient quality of this valuable resource, a network of existing public and private water supply wells has been established which will provide groundwater quality data representing all of the State's major aquifers.

Although a great deal of groundwater quality monitoring is presently being carried out within South Carolina, this is generally at regulated industrial or commercial sites which have known or potential groundwater contamination. In general, these sites are monitored for water quality only in the uppermost (water table) aquifer. The monitoring program described herein has been designed to avoid wells in these areas of known or potential contamination, thereby allowing for the assumption that variability in water chemistry reflects differences in the aquifer's geologic framework and/or spatial setting, and not anthropogenic effects.

Data derived from this monitoring network has been analyzed for the purpose of identifying variations in water chemistry among the State's major aquifers and developing an understanding of the ambient groundwater quality across South Carolina. The concentrations of certain chemical parameters in a region and/or aquifer may be used as a general indicator against which conditions of potential contamination can be assessed at sites within that area. It is not, however, intended to be used for all site specific comparisons of water quality.

This report is presented in two sections. The first section is an outline of the methods involved in establishing and operating the monitoring network. This includes details concerning well selection, sample collection, chemical analysis, data management, data analysis, and implementation schedules. The second section is a report of the results of the monitoring efforts

since 1987. Results include a discussion of the geology and hydrogeology of the aquifers monitored, and in addition, a discussion of aquifer specific and geographic variations in water quality.

## OBJECTIVES

The primary objective of the monitoring network is to develop a baseline for ambient groundwater quality for all of South Carolina's aquifers. Through utilization of this data many other objectives may be achieved. Included among these secondary objectives are:

- 1) To determine areal variations in regional groundwater quality.
- 2) To determine aquifer-specific variability in water quality.
- 3) To detect any significant changes in groundwater quality over time. These time related variations are capable of being determined on both a regional and a statewide level.
- 4) To supply ambient groundwater quality data for certain areas or aquifers which are in the initial phase of potential contamination investigations.

It is worthwhile to point out some applications for which these data are not intended. The water quality database is not intended to be used as a tool for locating previously unknown sites of groundwater contamination or for assuring compliance with regulations if such sites enter a monitoring phase. Because of natural areal variations in water chemistry, ambient data are also not intended to be used as a substitute for on-site backgroundwater quality monitoring by facilities which may be in the general vicinity.

## METHODS AND ORGANIZATION

### Well Selection

The ambient monitoring network is comprised exclusively of existing public and private water supply wells. Public wells are generally preferred and constitute a majority of the network. Preference is given to public supply wells because of their potential for greater longevity and continuity of ownership in comparison to private water sources. Public wells also offer the benefit of pumping large volumes of water, thus supplying water samples which represent a more sizeable portion of the aquifer than a private well. However, in certain rural areas, where public supply wells are not available, private water wells are utilized despite the fact that a general lack of construction details for these private wells can limit their value as monitoring points.

Initial well selection steps are governed by the availability and completeness of drilling records contained within state files. If complete records exist with respect to location, depth, aquifer, etc., a well may then be further considered for incorporation into the monitoring network. Although past water quality analysis data exist for many network wells, particularly public supply wells, no consideration is given to these data when selecting network wells. This is to avoid creating a bias in water quality toward chemical constituent concentrations which are higher or lower than anticipated or simply due to lack of documentation on previous quality control.

In order to sample water from “all” portions of the State’s major aquifers, well selection criteria also include consideration of which aquifer each well is utilizing, along with the geographic distribution of wells within each aquifer. A final consideration which is addressed when selecting network wells is the presence of, or potential for, contamination within the area. At the time of well sampling, a field check of the area surrounding the well site is performed. If a significant potential contamination source is located in the vicinity, the well is not included in the monitoring network.

#### Sample Collection and Chemical Analysis

Proper sampling protocol is essential for any monitoring program which is to provide meaningful and accurate data. Nacht (1983) provides a thorough review of monitoring sampling considerations, many of which may be directly applied to an ambient monitoring program. Sampling must be performed in a manner which will allow collection of groundwater which has not been chemically altered by the well system. Public supply wells can normally be sampled from a blow-off pipe or sample cock which is situated between the well head and any treatment systems. Private well samples are ideally drawn from the tap closest to the well. Water should be allowed to flow for a time period which is sufficient to recycle water through the entire volume of any pressure tanks in the system if the sample is collected past a pressure tank. Unless a significant volume of water has been pumped from a well immediately prior to sampling, an amount of water equal to or greater than the well volume should also be flushed through the system in order to reduce the likelihood of chemical alteration from well casings, pumps or residence time in a well.

Samples are collected in appropriately prepared laboratory bottles which are compatible with the chemical constituent being measured. All samples are preserved with proper chemicals (such as sulfuric acid for total organic carbon (TOC) and nutrients, and nitric acid for metals) and refrigerated until submitted to the laboratory for analysis. Specific conductance, pH and temperature of the water sample are measured in the field at the time of collection.

Laboratory analyses of water samples cover a wide spectrum of parameters which, as a whole, provide the information which is required to characterize both aquifer and regional groundwater quality. Appendix A presents a list of the chemical parameters which were analyzed. The sampling frequency for all network wells is once every five years.

Any well samples which have chemical concentrations in excess of S.C. State Primary Drinking Water Regulations (Appendix B) will be resampled and analyzed to confirm constituent concentrations. If it is determined that a well is contaminated by anthropogenic causes, the well will be removed from the ambient monitoring network, and the well owner will be referred to proper South Carolina Department of Health and Environmental Control (SCDHEC) personnel for assistance. Future sampling of any wells found to be contaminated will be performed as part of a contamination source investigation.

Well selection and initial sampling at each well are carried out by staff members from the Groundwater Monitoring Section. As noted earlier in this report, a field check of potential contamination sources will be made at the same time.

#### Data Management and Analysis

The ease with which information can be accessed is a critical factor in determining the success of any monitoring program. In the ambient monitoring network described here, all data

related to well information and water quality are stored in an Excel Spreadsheet and in STORET. Analyses of network groundwater samples may be presented by way of trilinear (Piper) diagrams, Stiff Diagrams, and graphs. The regional or statewide distribution of the various water types may be shown in map form.

Discussion of various data analyses consider comparisons of water quality to factors such as geology of aquifers, variations of chemical constituent levels among regions, and changes in water quality over time.

#### Implementation Schedule

The ambient monitoring network was initiated in 1987 on a trial basis in a four county area. At that time, the network included 19 wells, both public and private, and was primarily intended to test and establish the network's methods. In 1988 and 1989, ten and sixteen additional counties were added, respectively. Nineteen wells were added to the network in 1990, another nine wells were added in 1991, and one more in 2000. Each year a selection of the wells from a specific aquifer was sampled on a five-year cycle, until 2000. This year's strategy was to sample all represented aquifers within one of the five major River Basins (Figure 1). These and their scheduled sampling dates are as follows:

- |       |   |
|-------|---|
| 2000: | <b>Savannah/Salkahatchee</b> (25 wells): Piedmont Bedrock; Saprolite; Middendorf; PeeDee/Black Creek; Tertiary Limestone      |
| 2001: | <b>Saluda/Edisto</b> (28 wells): Piedmont Bedrock; Saprolite; Middendorf; Black Mingo; Tertiary Limestone                     |
| 2002: | <b>Catawba/Santee</b> (18 wells): Piedmont Bedrock; Middendorf; Black Creek; Black Mingo; Tertiary Limestone; Surficial Sands |
| 2003: | <b>PeeDee</b> (28 wells): Piedmont Bedrock; Middendorf; Tertiary Sands; Black Creek; Surficial Sands                          |
| 2004: | <b>Broad</b> (16 wells): Piedmont Bedrock; Saprolite; Middendorf  |

## **MONITORING RESULTS**

#### Location

As noted above, the 2000 groundwater quality monitoring consisted of sampling wells in the selected aquifers of the Savannah/Salkahatchee basin. One new well in the city of McCormick was added and two in Aiken county were skipped because they were no longer in operation. The analytical data from this resampling has been incorporated into the various graphs and appendices as appropriate.

# South Carolina River Basins

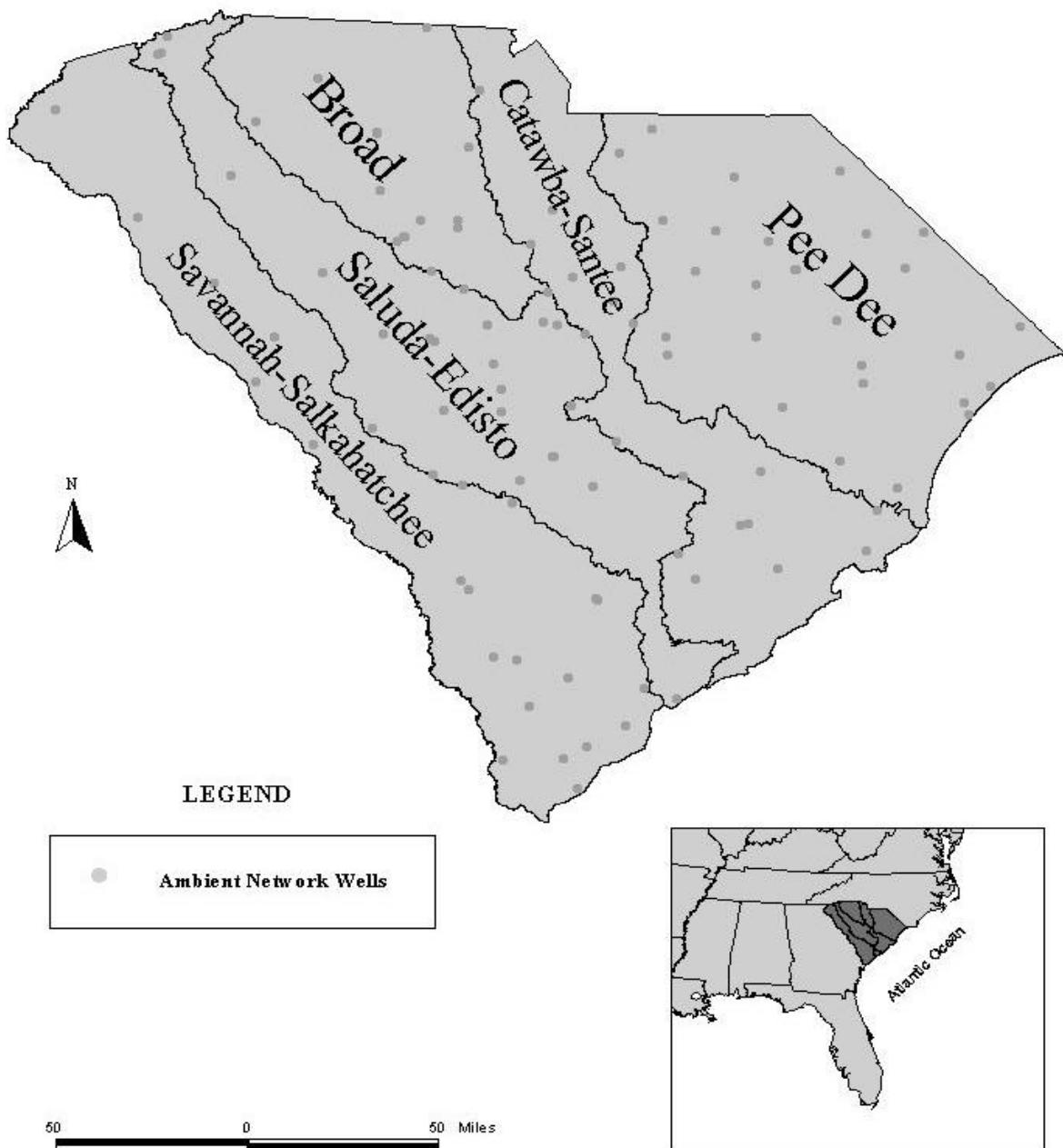


Figure 1. Map of the five major river basins of South Carolina

### Network Wells

The monitoring network includes water quality data from 115 wells (Figure 2; Appendix C). Of these, 80 are used for public supply purposes, 32 for private commercial or domestic supplies, and the remaining 3 provide water for fish hatchery ponds and heating/cooling purposes. The complete construction records available for the network wells allow reasonably accurate determination of which aquifer is being utilized at each location, and to a lesser degree, the nature of subsurface stratigraphy throughout the well's depth range. The limiting factor for the latter is the incomplete nature of driller's logs.

### Subsurface Geology

The sedimentary deposits which contain the various coastal plain aquifers are the result of various sea level fluctuations. The Middendorf aquifer and its related geologic formations overlie the bedrock basement and is considered the oldest depositionally. The others are the Black Creek, Pee Dee, Black Mingo, and the Tertiary aquifers which respectively overlie the Middendorf (Figure 3). The main boundaries between the recognized aquifer systems are major confinement units which may not directly correlate to the geologic formation of the same name.

### Hydrogeology and Water Quality

#### **Piedmont Bedrock Aquifer**

Groundwater supplies in the Piedmont and Blue Ridge physiographic provinces of South Carolina come from three types of hydrogeologic environments. These include the unweathered fractured crystalline bedrock, the overlying saprolitic regolith, and to a limited extent the alluvial valley fill deposits. Most public and private wells are completed in the fractured crystalline bedrock. Although the bedrock exists in a variety of mineralogical assemblages and textures, it has not been hydraulically characterized to an extent that allows designation of separate or distinct aquifers within the bedrock. Indeed, separate aquifers may not exist. For these reasons, the water-bearing portion of the Piedmont bedrock has been collectively termed the "bedrock aquifer" (Oldham, 1986).

Yields from crystalline bedrock vary greatly among wells, depending primarily upon the existence of joints and fractures within the rock. If fractures do exist, yield and specific capacity further depend upon the size of fractures and degree of fracture interconnection. The overlying saprolite is hydraulically connected with the underlying bedrock and provides the primary source of recharge water to the bedrock aquifer. Yields of 4 to 170 gallons per minute (gpm) from the 30 network wells in the Piedmont bedrock have been recorded. This broad range in yield is an indicator of the great variability in the occurrence, size and interconnection of joints and other fractures which exist in this aquifer.

Some of the sampling sites in the Piedmont consist of "paired" wells, where one well is completed in the saprolite soils and one in the fractured crystalline bedrock. The wells are considered pairs due to their close proximity and the thought that they are completed into the same host rock. The pairs are intended to be used for comparing the development of water chemistry as it flows down through the saturated saprolite and the underlying fracture system. Based upon analysis of chemical data from the network's saprolite/bedrock well pairs, it appears that the groundwater in the Piedmont bedrock acquires a great majority of its ions as it percolates through the overlying saprolite. It is suspected that additional ions and trace metals are also

## Ambient Ground Water Quality Network Wells

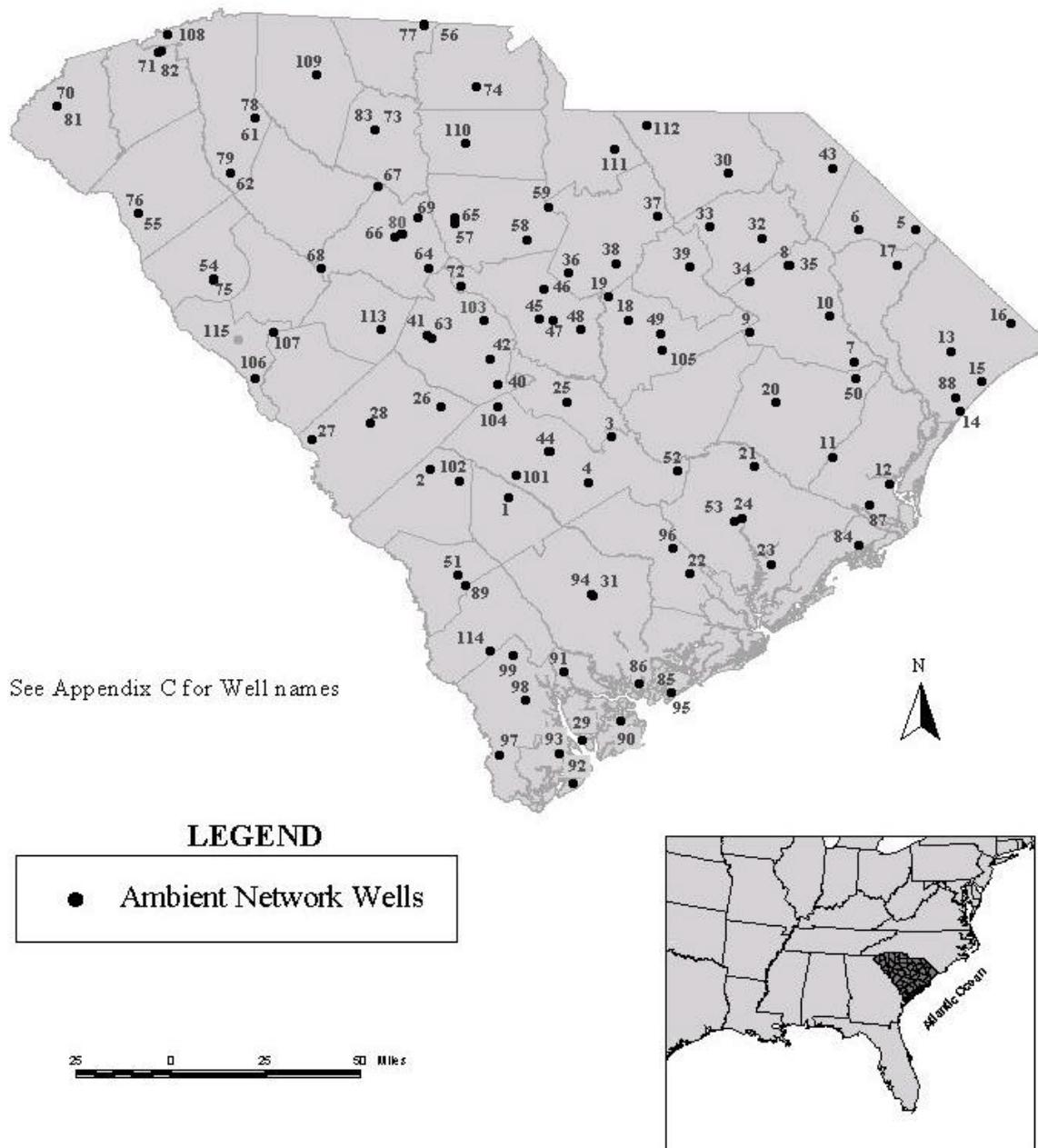


Figure 2. Ambient monitoring well network locations by number

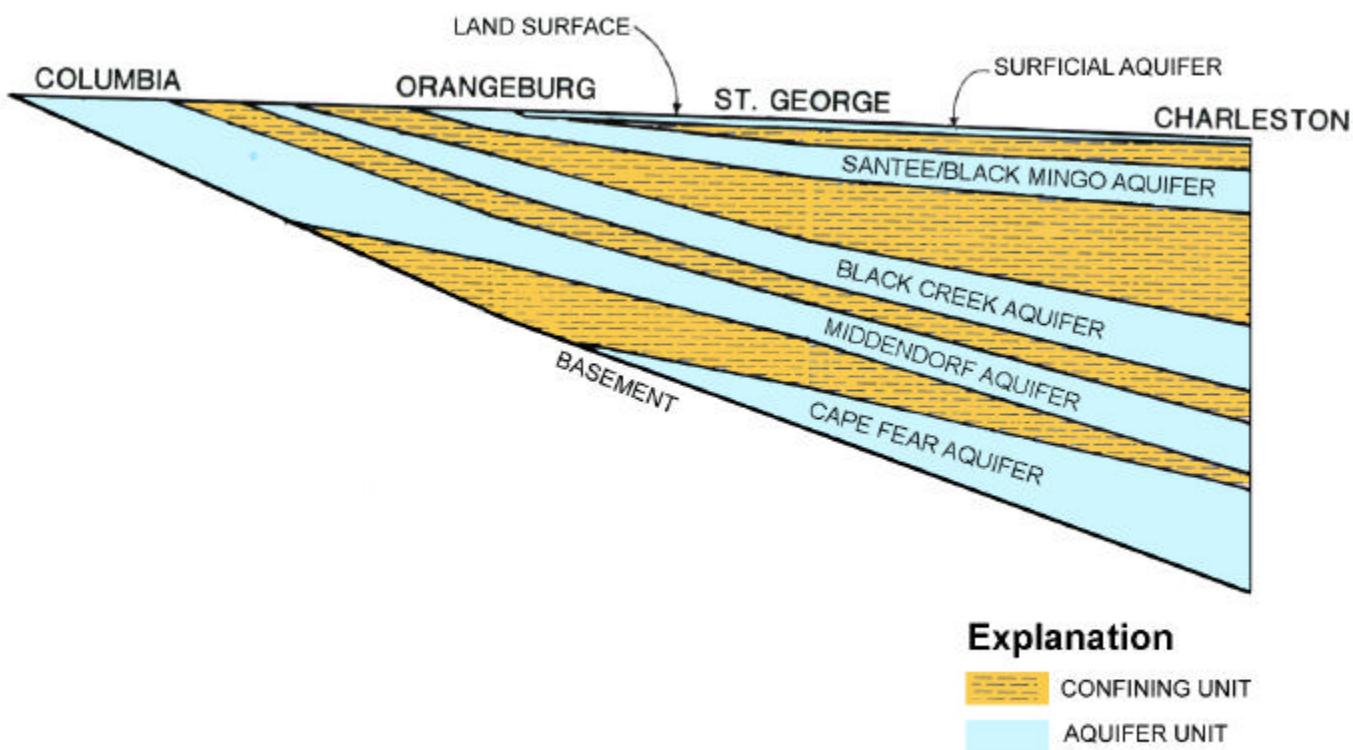


Figure 3. Generalized cross section indicating the spatial relations between the major coastal plain aquifers

added to the water as it passes through rock fracture systems as a result of the dissolution of less resistant bedrock minerals. The most notable difference in water chemistry between the saprolite and bedrock aquifer systems is the concentration of dissolved silica. In each of the nine well pairs described above, the concentration of silica was higher in the bedrock aquifer water samples (Appendix D). It is suspected that the higher silica in the bedrock wells is a function of residence time and the weathering of more readily leachable silica minerals in the transition zone. The variations in chemical concentration for parameters other than silica are not as consistent among the nine well pairs and within the individual well pairs. The lack of consistency among the well pairs may reflect lithologic variations in differing regions of the Piedmont

Comparison of analytical data from the bedrock wells using empirical criteria developed by LeGrand (1958), offers a means to differentiate between water from rock of a felsic compositions and that from rock with a mafic composition. These differences are made obvious by utilizing a Stiff Diagram (Figure 4). Felsic type bedrock consists of abundant silica and is poor in calcium (Ca) and magnesium (Mg). Mafic type bedrock contains less silica and is richer in calcium, magnesium, and iron. Water influenced by a mafic rock will tend to be higher in dissolved solids and harder (Ca, Mg, primarily) than water from felsic bedrock, and also tend to have a bicarbonate content greater than 70 parts per million (ppm). Granitic bedrock produces soft, acidic water with low dissolved solids content (LeGrand, 1958). By comparing analytical data from this present study with the surficial South Carolina Piedmont geology mapped and described by Overstreet and Bell (1965), six wells satisfied LeGrand's criteria for water having been influenced by mafic bedrock (Figure 5). Well number 110 in central Chester County is associated with an amphibolite unit consisting of mainly metamorphosed mafic lavas and tuffs. Well number 62 in the town of Fork Shoals is associated with a large, mappable Triassic diabase dike striking north-northwest in Greenville County. Relationships between mapped rock type and observed groundwater chemistry of the other Piedmont wells exhibiting mafic influence is not apparent. This is likely due to the variation in lithology with depth. Without detailed geologic logs for the wells, further detail in comparison is not appropriate.

Additional monitoring points in areas of known lithologies and a mineralogical analysis of the bedrock in each area would be necessary for a detailed comparison of water chemistry and lithology. The primary cation and anion measured in water from the Piedmont bedrock aquifer is calcium and bicarbonate, respectively (Figure 6), although all of the major ions (sodium, potassium, calcium, magnesium, chlorine, bicarbonate, and sulfate) are present at detectable concentrations in most samples

### Saprolite Aquifer

Although the majority of South Carolina's Piedmont groundwater supplies come from the bedrock aquifer, the overlying regolith composed primarily of saprolitic soils is also a significant water producing unit. Saprolite is an in-place weathering product of the crystalline rock, which can be absent at some locations and over 150 feet thick in others. Because the saprolite has not been transported, many of the original structures of the parent bedrock (fractures, dikes, faults, foliations, etc.) are preserved and act as preferential paths of groundwater flow. Although there are many localized exceptions, saprolite in the South Carolina Piedmont is dominated by silt-sized particles, with varying amounts of sand and clay, depending upon the parent rocks original texture and mineralogy.

Because of its typically low hydraulic conductivity, saprolite generally provides low yielding wells and is normally suitable only for low-volume, domestic water demands. Saprolite aquifer wells are commonly installed with large-diameter (24 inch) boring equipment, and are more prone to contamination from bacteria and near-surface sources because of their characteristically shallow depth and construction methods (which often times do not create an adequate surface seal). Nine saprolite wells have been included in the monitoring network. As described in the previous section, saprolite aquifer water chemistry is similar to water in the underlying bedrock aquifer, with calcium and bicarbonate being the dominant ions (Figure 7).

### Middendorf Aquifer

The Middendorf Aquifer directly overlies the crystalline bedrock and stretches from the upper coastal plain where it crops out to the Atlantic coast, and is then buried by younger coastal plain sediments at maximum depths of over 3000 feet (Figure 3). In the upper coastal plain, the Middendorf Aquifer provides groundwater to numerous domestic, municipal, and industrial users; however, it is tapped by only a few wells in the middle and lower coastal plain regions. The lower usage toward the coast is primarily a result of the presence of shallower, more economically developed aquifers such as the Black Creek and Tertiary limestone (Floridan) Aquifers.

Middendorf sediments are comprised of fine to coarse quartzitic and arkosic sands, with discontinuous interbeds of sandy clays, kaolins and gravel.

With regard to hydrogeologic properties, this aquifer has high transmissivities and is capable of yielding considerably greater than 1000 gpm. Of the network wells in the Middendorf Aquifer, yields ranged from 10 to 1012 gpm. The variability in productivity arises from differences in well construction and development, as well as local effects of aquifer transmissivity. Proper well development in the Middendorf Aquifer is vital in order to achieve maximum yields. An example of poor construction and low yields can be found by examining the records of a network well in the Eastover area of Richland County. In this case, the top 10 feet of well screen was placed in a kaolin clay bed, resulting in a low yielding well for that area. In the middle to lower coastal plain, Middendorf wells typically produce water under flowing artesian conditions. In the monitoring network, artesian Middendorf wells are sampled in Orangeburg, Walterboro and Parris Island.

Since the Middendorf Aquifer of the upper coastal plain is comprised of clean quartz sands which have been thoroughly leached, only a minimum concentration of ions are present in its water. As a result of its leached condition, Middendorf Aquifer water is represented as a very narrow, vertical area when plotted on a Stiff diagram. The Stiff Diagram pattern for this water approaches that of distilled (deionized) water. Groce (1980) described water from the Middendorf Aquifer in the upper coastal plain as being generally soft, acidic and low in dissolved solids, with locally high iron contents. The Middendorf Aquifer wells sampled in the upper coastal plain generally conform to this description. In contrast, lower coastal plain water from the Middendorf Aquifer is often highly mineralized. The trend of increased mineralization toward the coast is illustrated in Figure 8, which compares Middendorf wells representing the middle and lower coastal plain (Orangeburg and Walterboro, respectively) with a well within the upper coastal plain (Montmorenci). The downdip increase in ion concentration is thought to be largely a function of the residence time of the water in the aquifer (flow is from the updip

recharge area in the upper coastal plain toward downdip, coastal area), as well as from the possible mixing of more mineralized water from adjacent “leaky” aquifers.

Other changes in groundwater chemistry from the Middendorf’s shallow recharge area to deeper portions of the aquifer include a downdip increase in pH (Figure 9) and a less distinct increase in fluoride concentrations (Figure 10). The downdip increase in pH is partially attributable to the corresponding increase in the concentration of major ions which buffer natural acidity. This is in contrast to the much lower, acidic pH values found in the recharge area where buffering effects are not significant. A Piper diagram (Figures 11,12,13) of Middendorf, Black Creek and Tertiary Limestone water chemistry indicates a generally poor grouping of points which represent the ratio of various major anions and cations. This lack of dense clustering of points illustrates the high degree of variability in groundwater chemistry within each of these aquifers.

### **Tertiary Sand Aquifer**

The Tertiary Sand Aquifer includes parts of the McBean, Barnwell and Congaree formations, which make up part of the Orangeburg Group. The sediments of these formations include fine to coarse-grained massive clean sands and glauconitic sands, interbedded with marls and clays. This aquifer provides water to generally shallow wells in an area which is confined to the southwestern portion of the upper coastal plain.

In the monitoring network, the Tertiary Sand Aquifer wells in the City of Lexington and the Town of North produce waters which are depleted in the major ions and have low (acidic) pH values. This water chemistry is very similar to that described previously for the Middendorf Aquifer.

### **Black Creek Aquifer**

The Black Creek Aquifer is an important source of groundwater in the central coastal plain portion of the monitoring network, namely Barnwell, Bamberg, and Orangeburg counties. This aquifer consists of medium to coarse grained glauconitic and phosphatic quartzose sands interbedded with lenses of lignitic and micaceous clays. In some areas, the Black Creek Aquifer is hydraulically similar to and is screened in the same well with the underlying Middendorf Aquifer. Yields of over 1000 gpm from the Black Creek are quite common. Yields which were recorded for Black Creek wells in the monitoring network ranged from 50 to 1500 gpm.

Similar to the Middendorf Aquifer, Black Creek Aquifer water chemistry also indicates a relationship between distance from recharge area and certain chemical concentrations. This relationship is illustrated in Figure 14, which indicates a downdip increase in chloride and a similar trend, although less distinct, for fluoride (Figure 15). The high fluoride values in the Black Creek is attributable to the presence of fluorapatite in the aquifer.

Values of pH in the Black Creek Aquifer are generally alkaline, with a much less distinct trend toward higher downdip values which are observed in the Middendorf Aquifer (Figure 16).

## Stiff Diagram

Piedmont Aquifer: Abbeville-Starr-MtnRest-McCormick

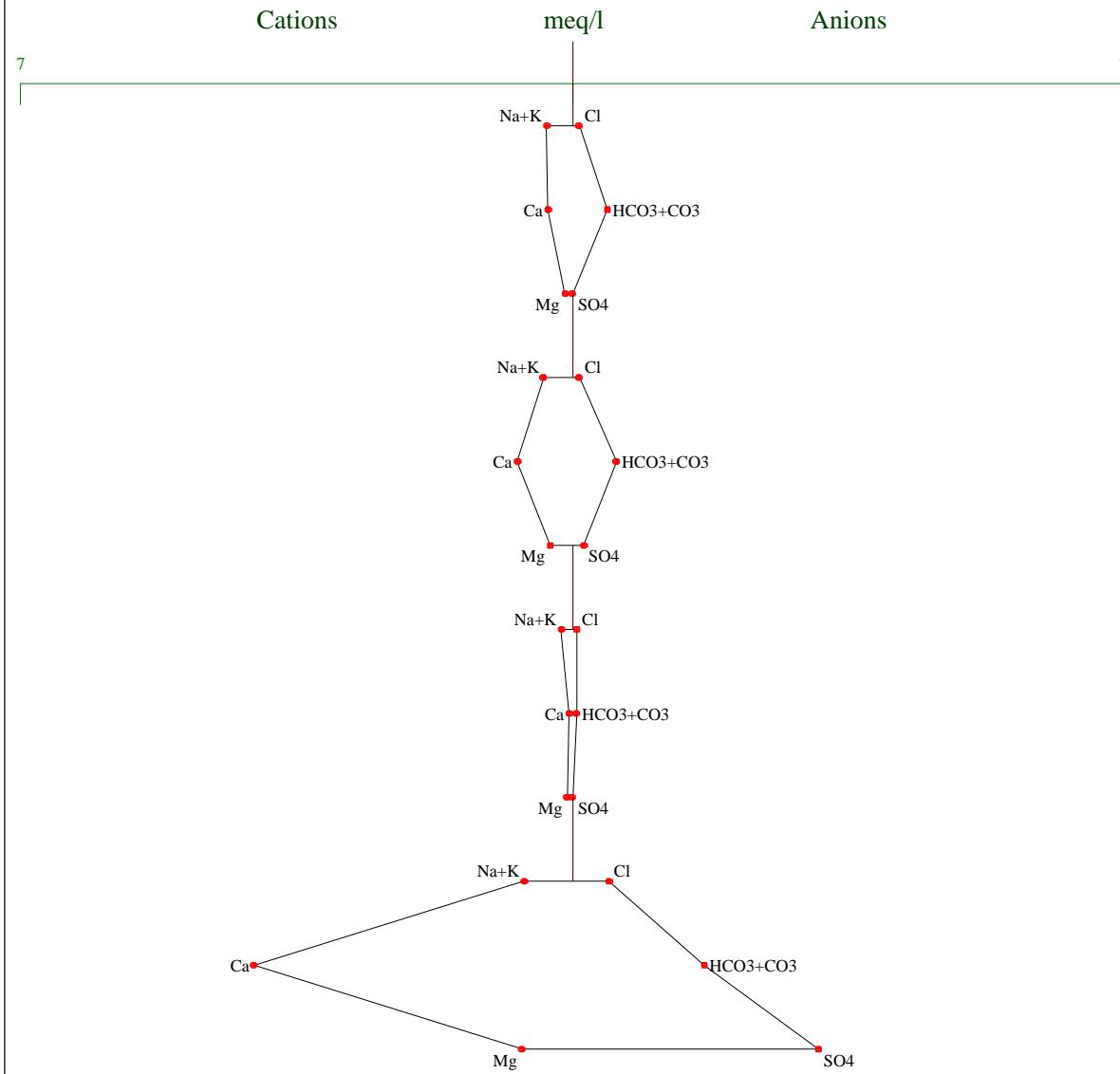
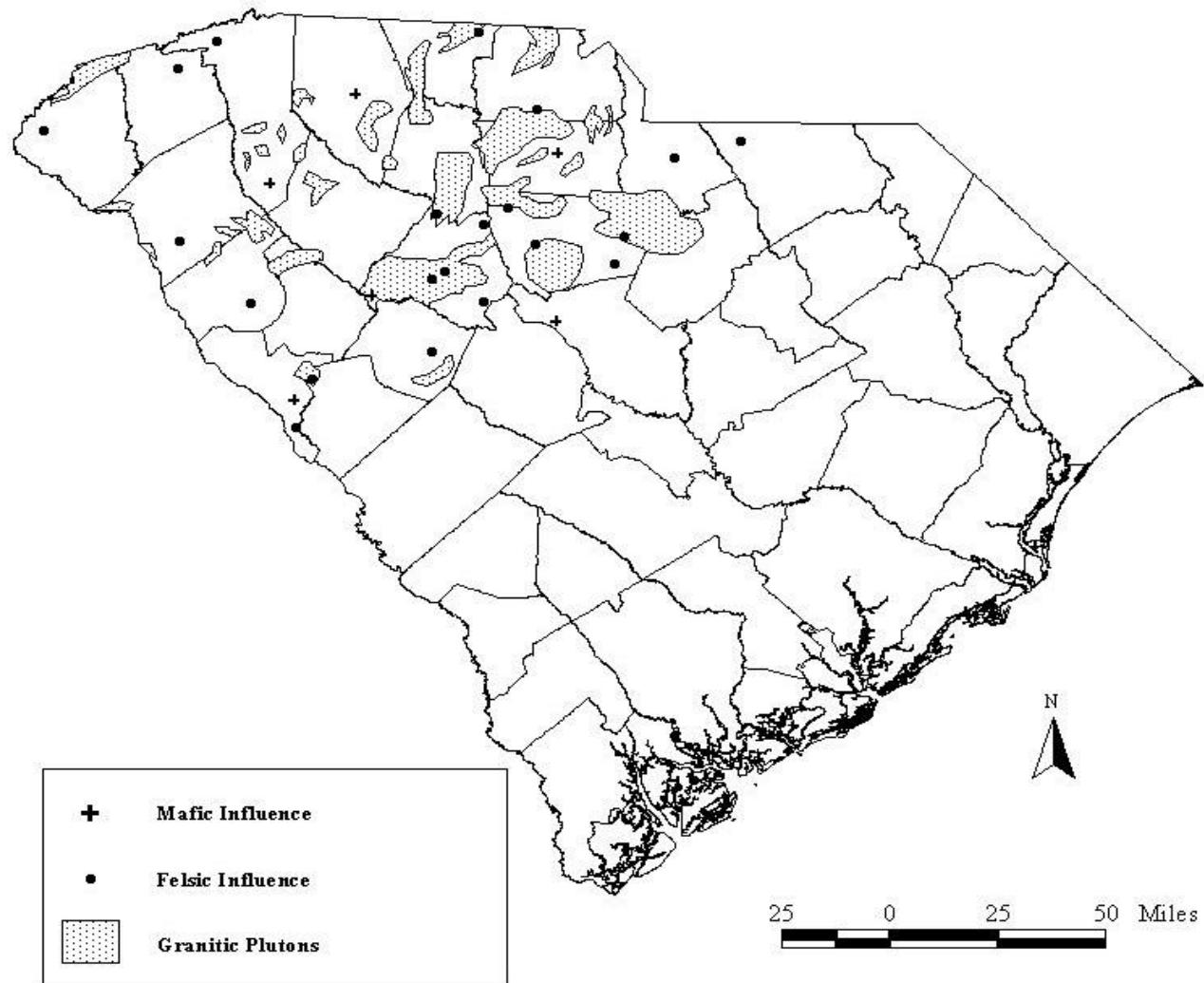


Figure 4. Stiff diagram of Piedmont Bedrock Aquifer chemistry in 4 random locations

## Granitic Plutons in the Piedmont



(Overstreet and Bell, 1965)

Figure 5. Map of Piedmont wells and possible ground water chemistry influences

### Piper Diagram

Piedmont Bedrock Aquifer

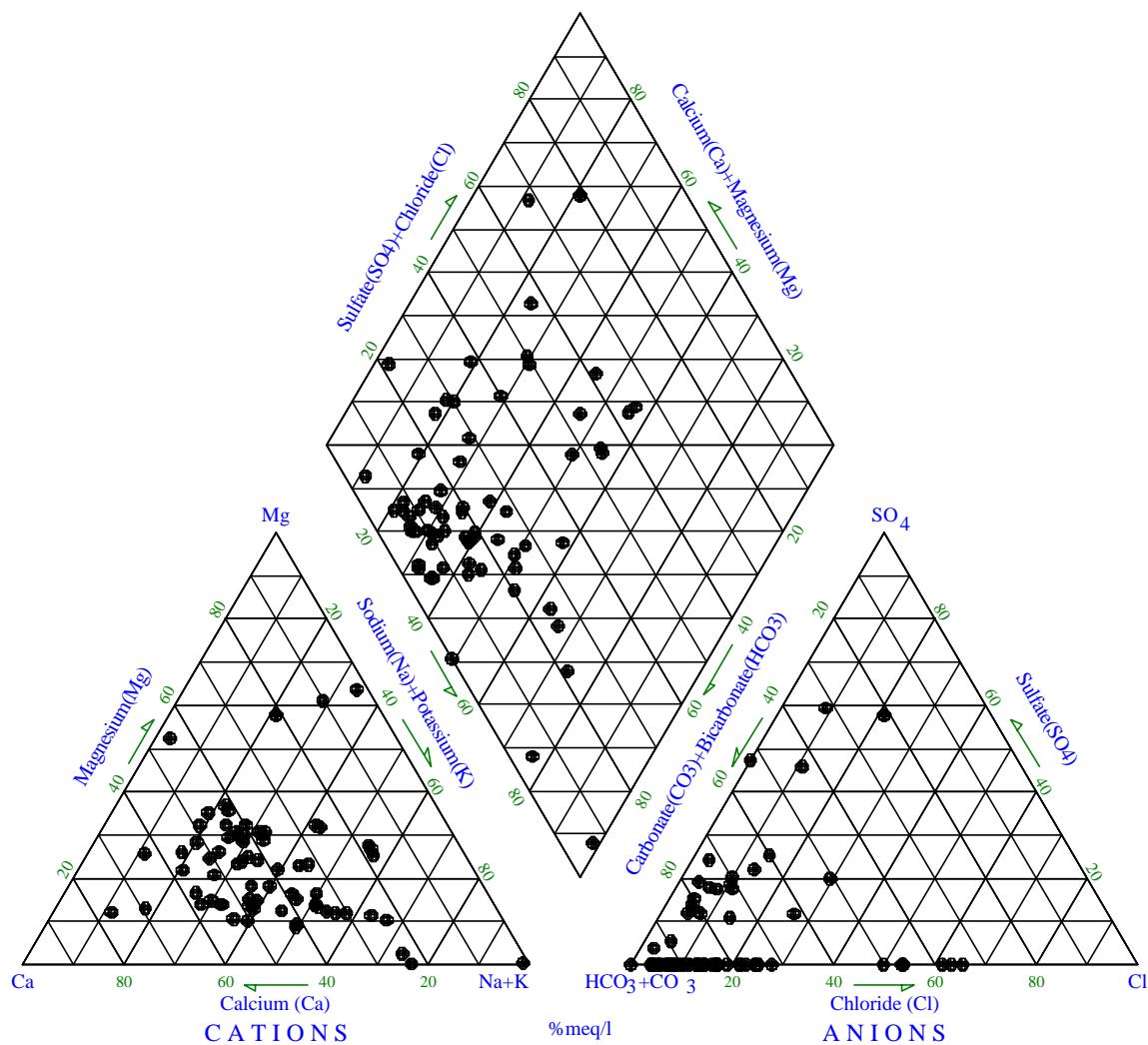


Figure 6. Piper diagram of the Piedmont Bedrock Aquifer

### Piper Diagram

Piedmont Saprolite Aquifer

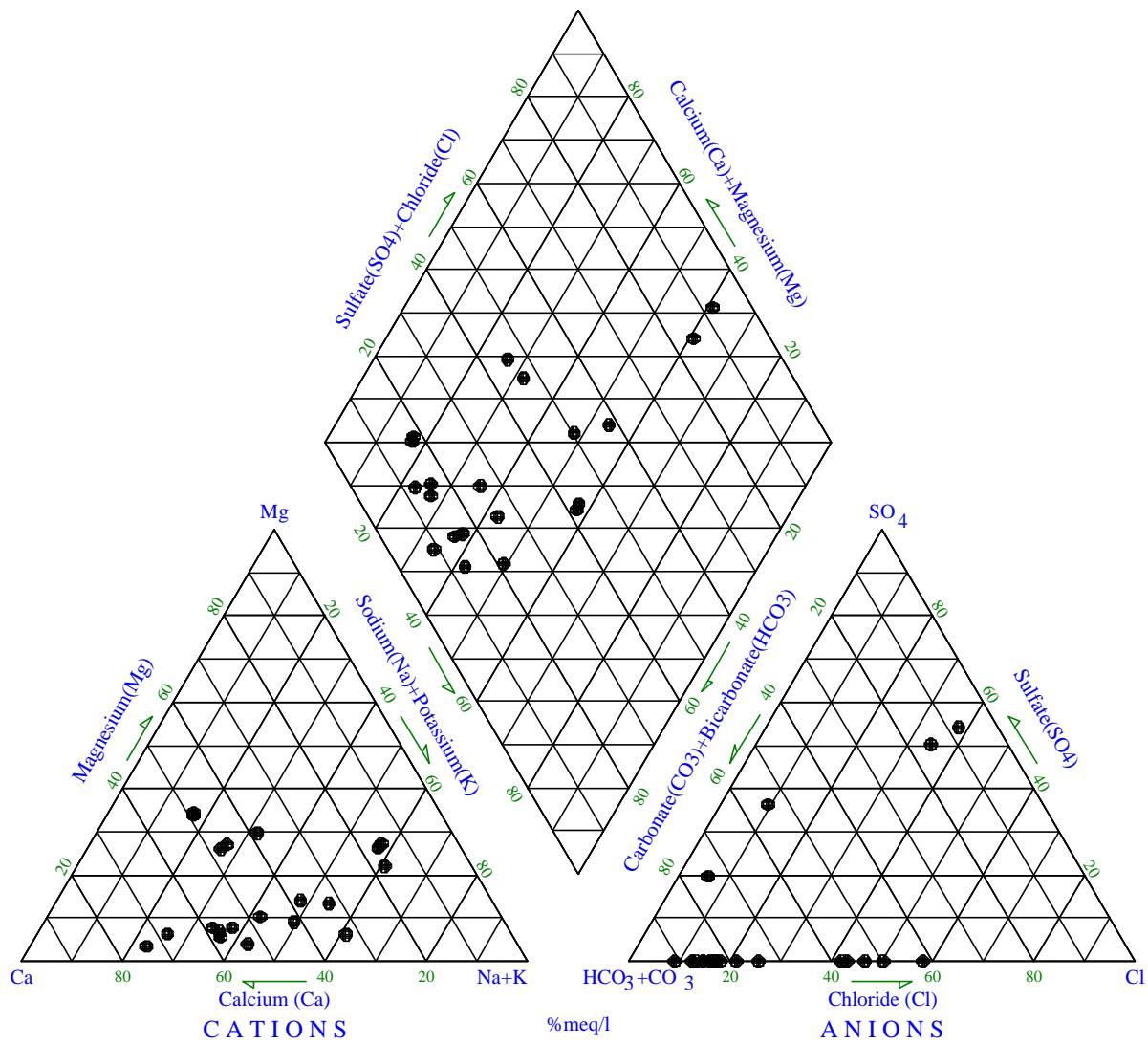


Figure 7. Piper diagram of the Saprolite Aquifer

## Stiff Diagram

Middendorf Aquifer: Montmorenci-Orangeburg-Walterboro

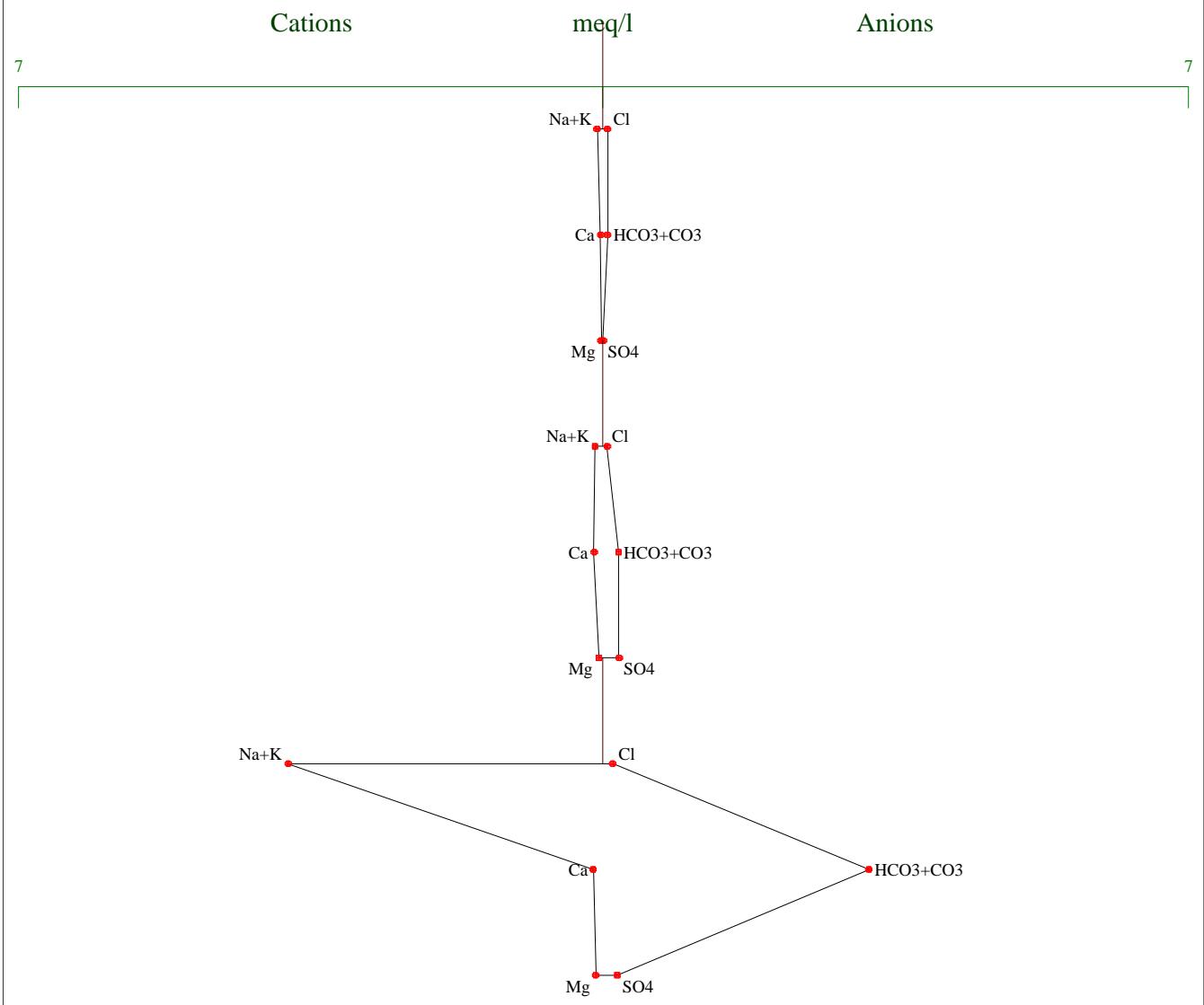


Figure 8. Stiff diagram of Middendorf Aquifer chemistry

## Middendorf Aquifer

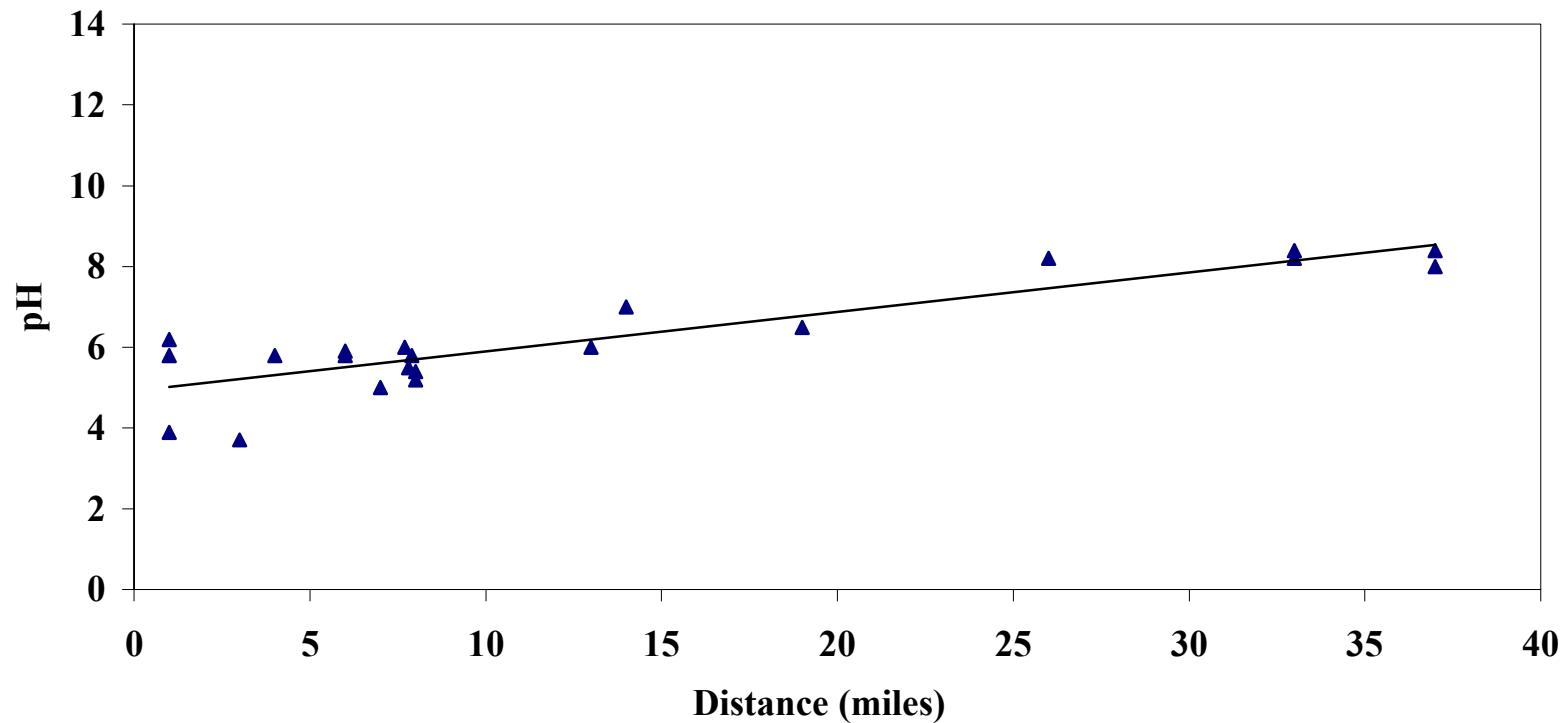


Figure 9. Graph representing the trend of pH in the Middendorf Aquifer relative to the distance from the Aquifer's primary recharge area.

## Middendorf Aquifer

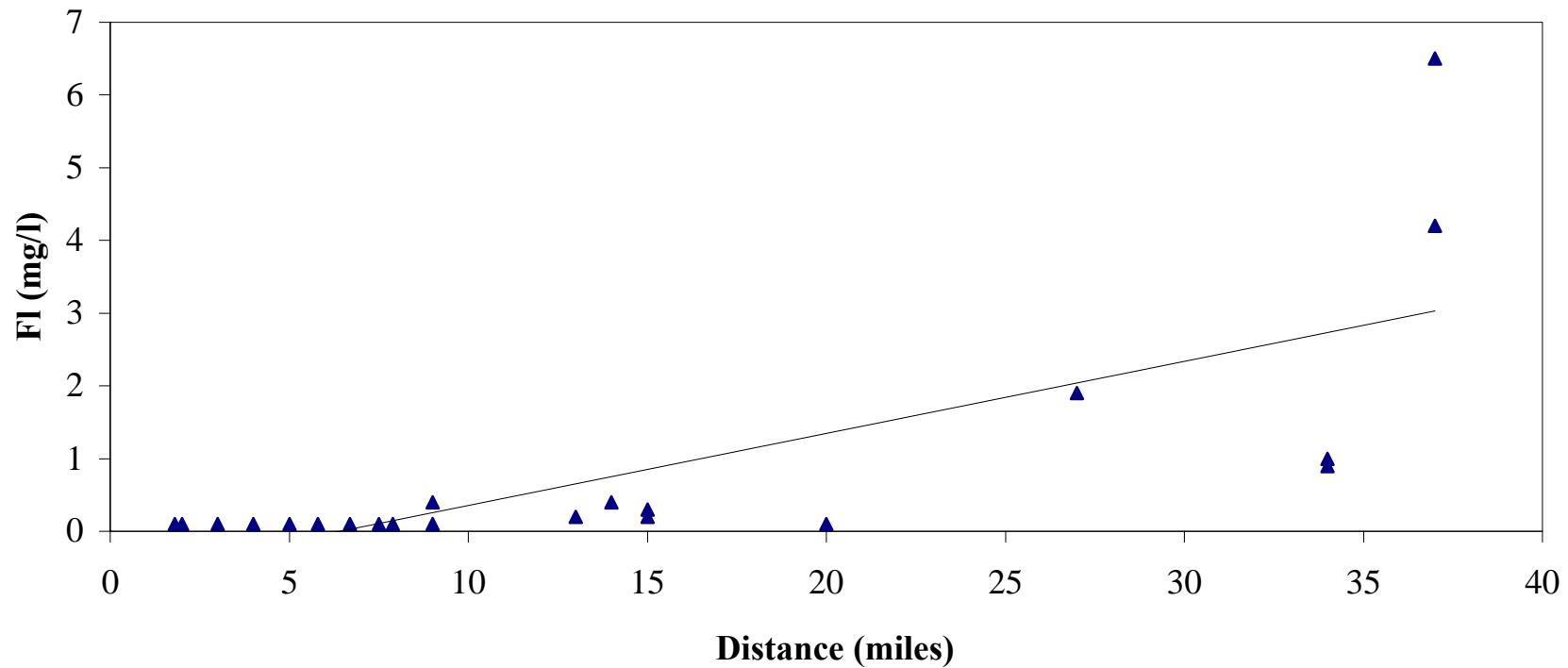


Figure 10. Graph representing the trend of fluorine in the Middendorf Aquifer relative to distance from the aquifer's primary recharge area

### Piper Diagram

Middendorf Aquifer

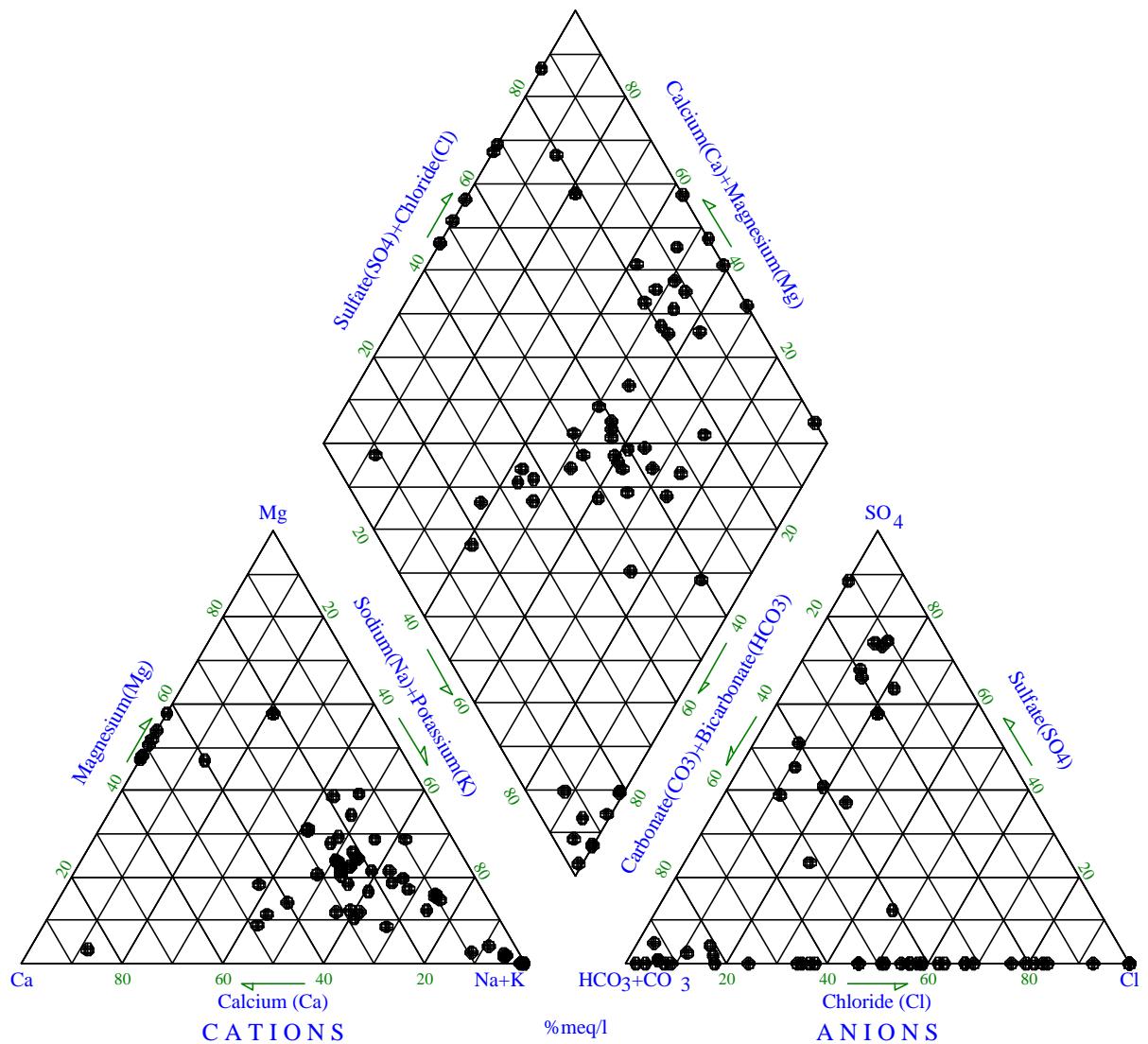


Figure 11. Piper diagram of the Middendorf Aquifer

Piper Diagram  
Black Creek Aquifer

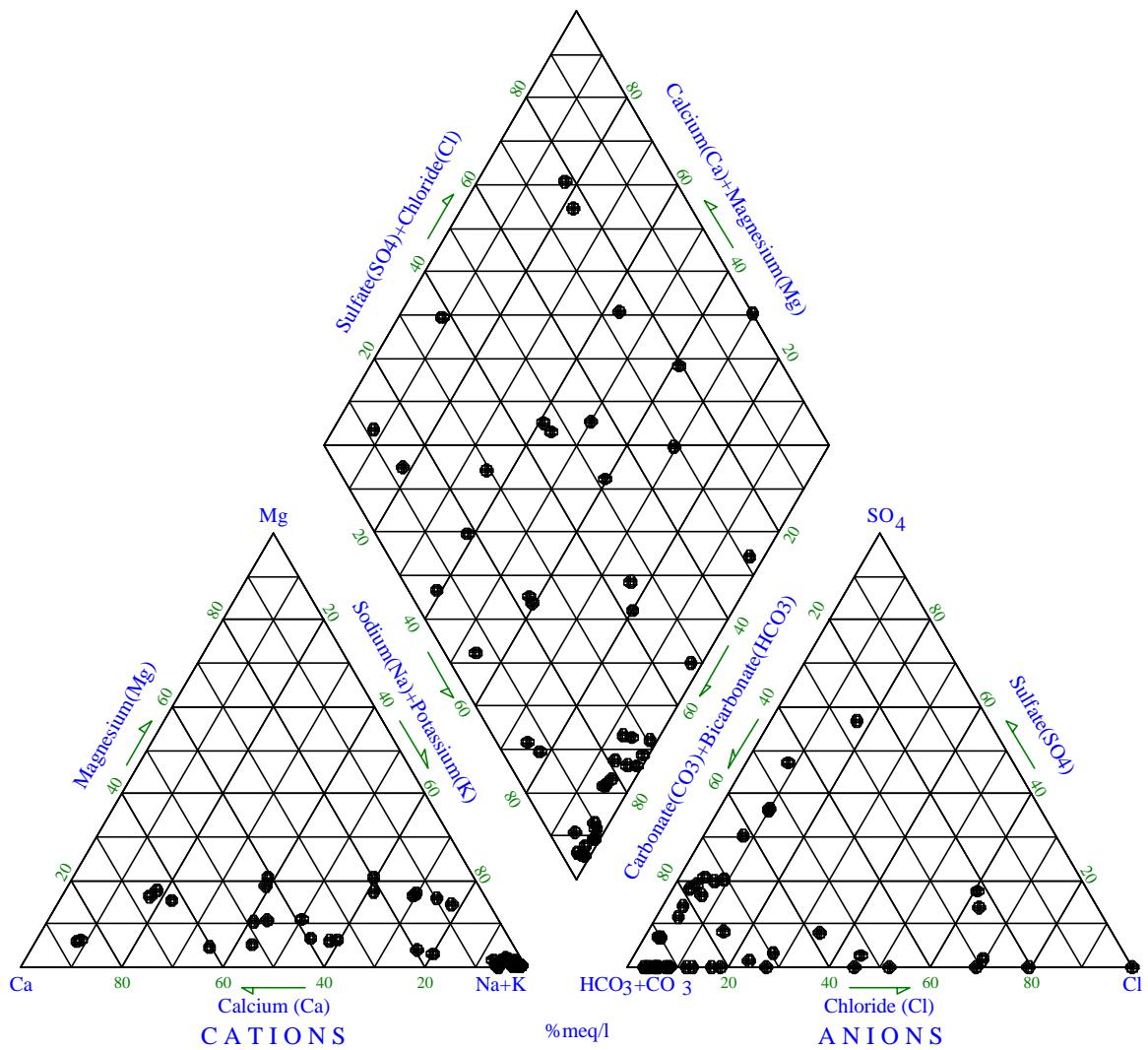


Figure 12. Piper diagram of the Black Creek Aquifer

### Piper Diagram

Floridan Aquifer

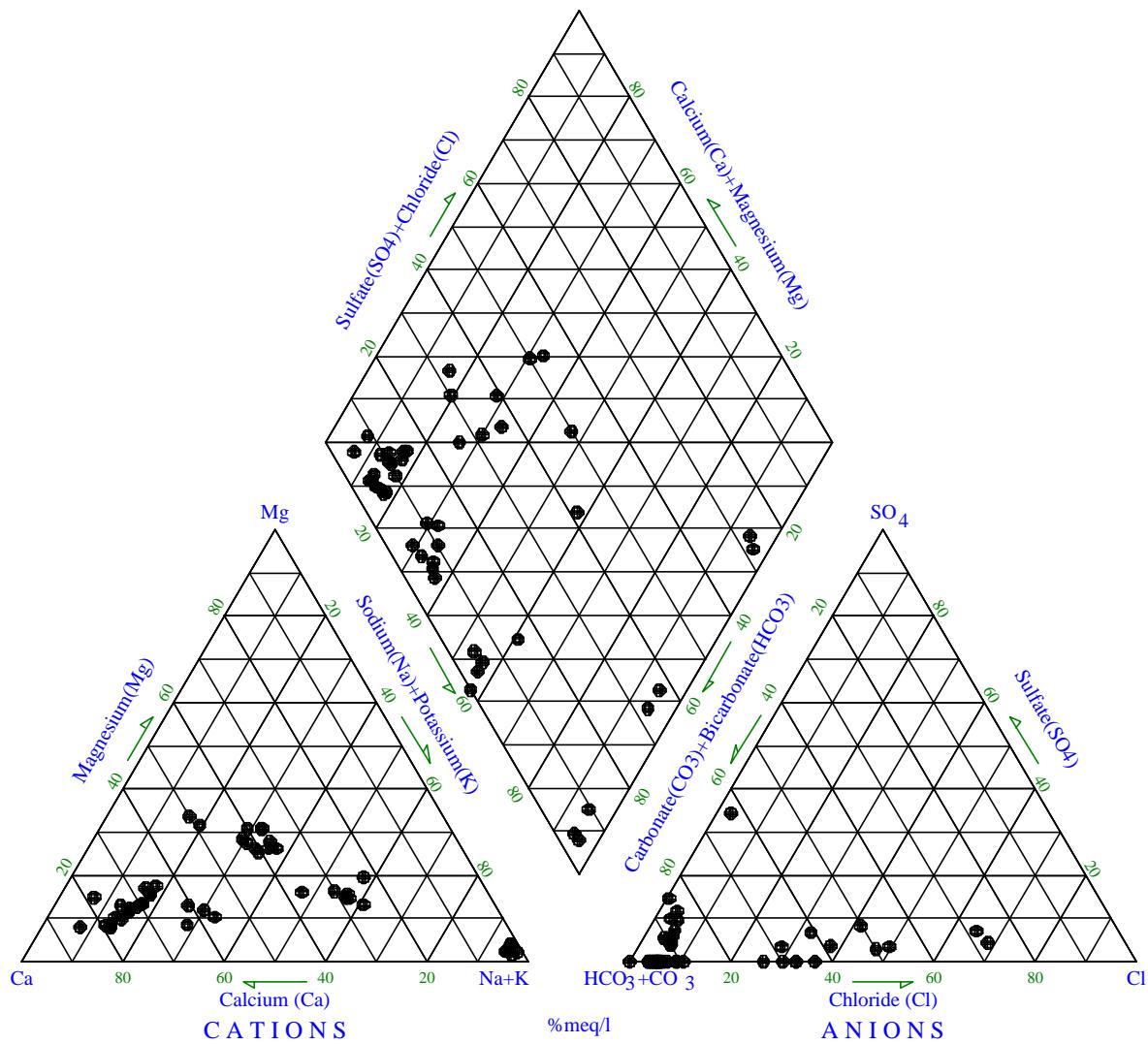


Figure 13. Piper diagram of the Floridan Aquifer

## **Black Creek Aquifer**

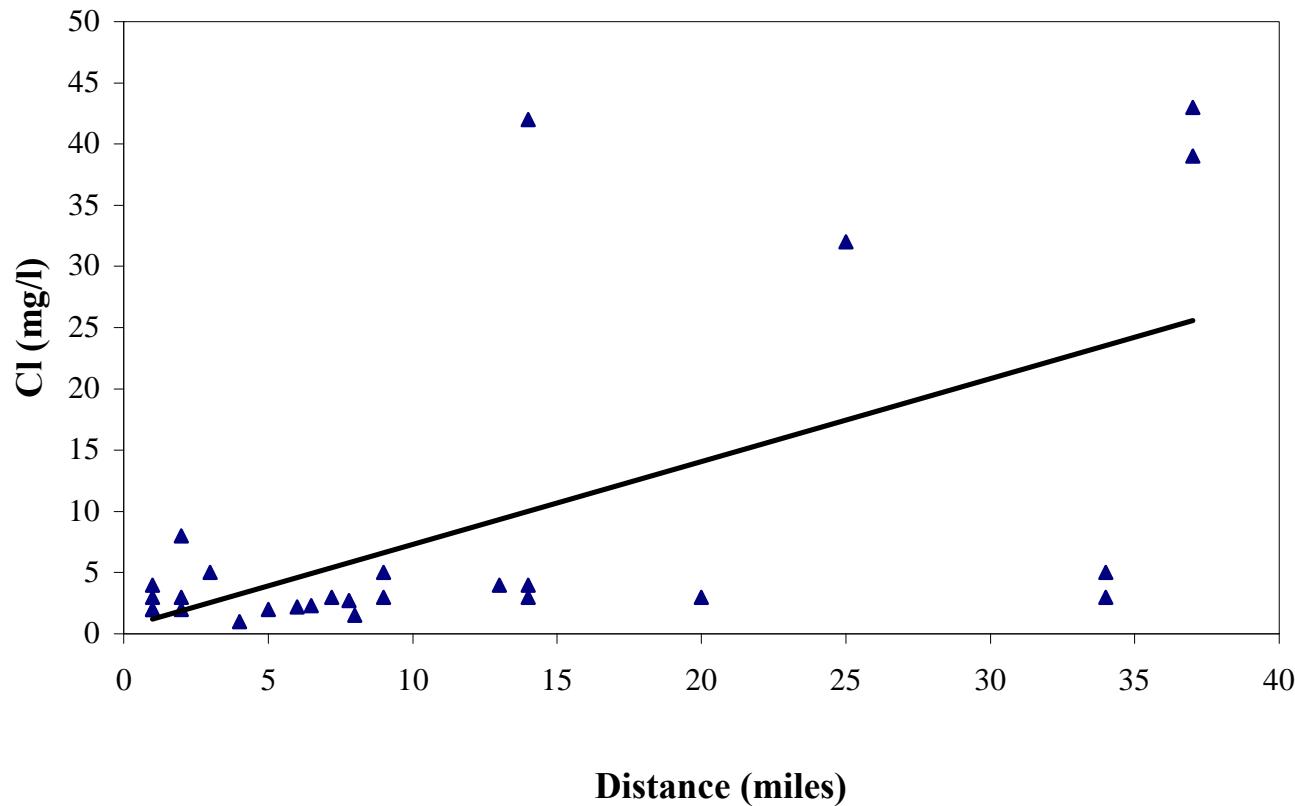


Figure 14. Graph representing the trend of chloride in the Black Creek Aquifer relative to the distance from the aquifer's primary recharge area.

## Black Creek Aquifer

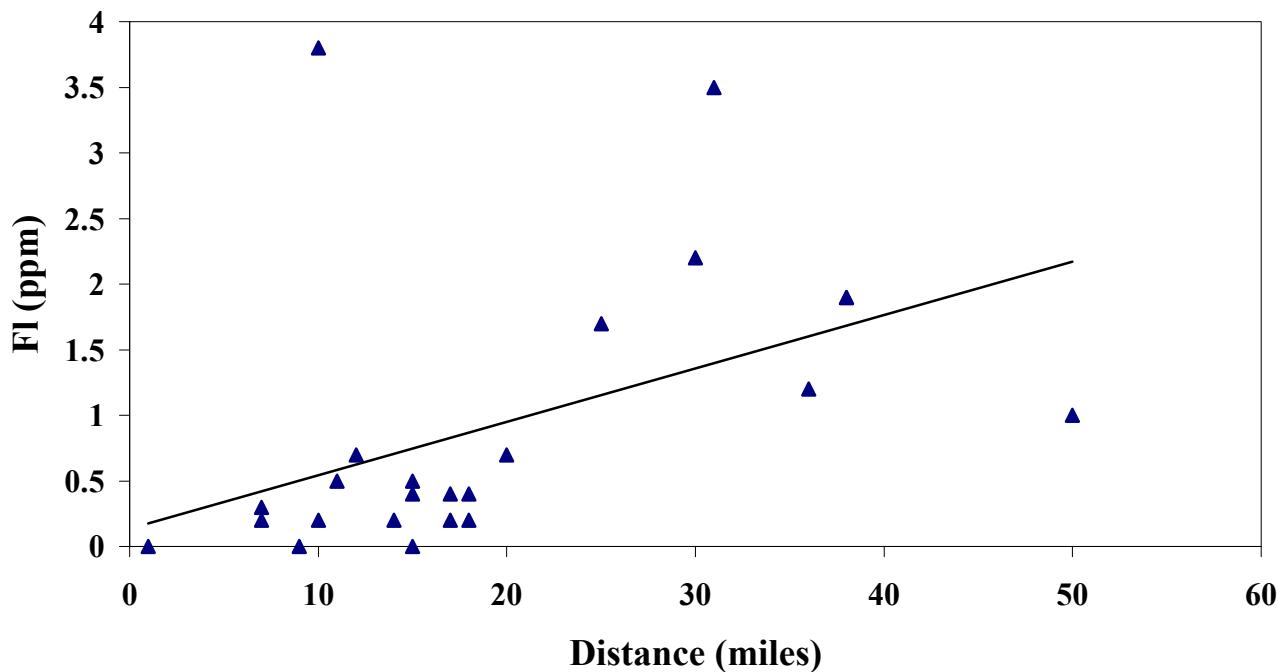


Figure 15. Graph representing the trend of fluoride in the Black Creek Aquifer relative to the distance from the aquifer's primary recharge area.

## **Black Creek Aquifer**

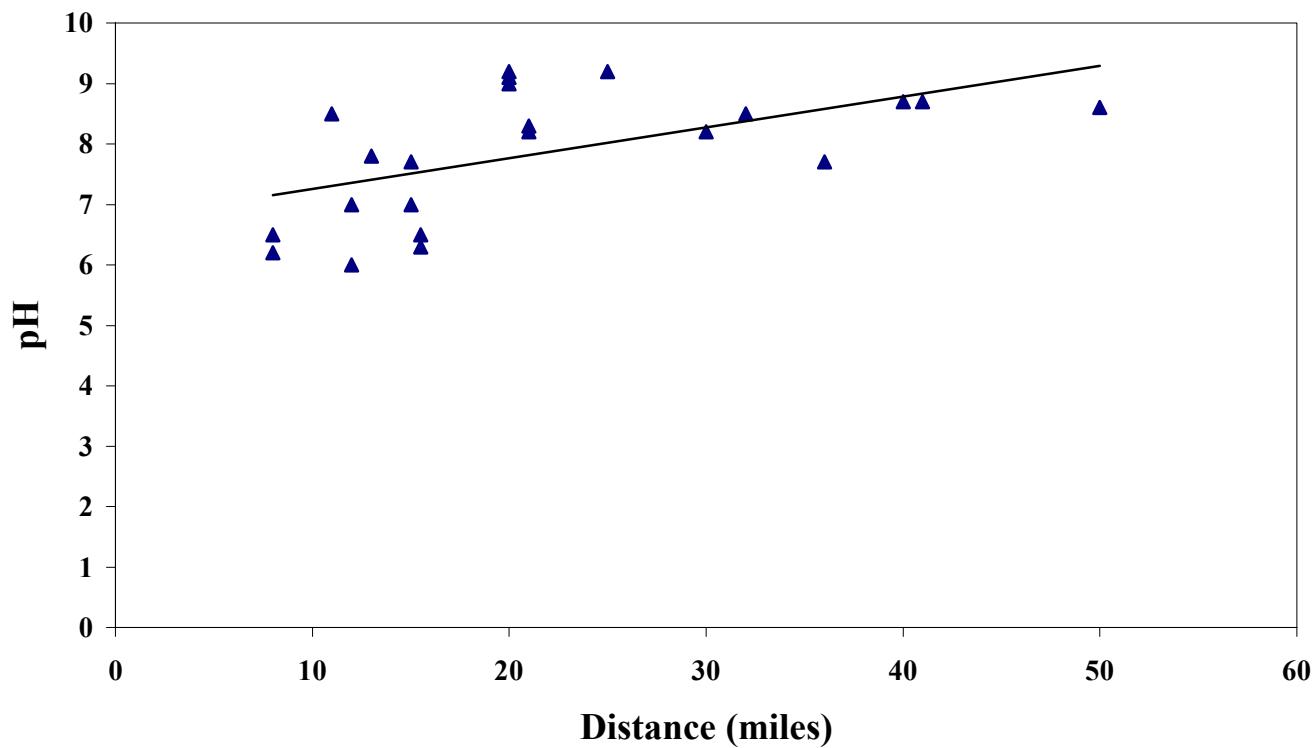


Figure 16. Graph representing the trend of pH in the Black Creek Aquifer relative to the distance from the Aquifer's primary recharge area.

## **Tertiary Limestone Aquifer**

In South Carolina, the Tertiary Limestone Aquifer (Floridan) is utilized primarily in the Low Country region (Beaufort, Jasper, and Colleton Counties) and underlies the entire area south of and including parts of Barnwell, Orangeburg and Berkeley Counties. This aquifer provides over 80 percent of the groundwater for the Low Country.

The Tertiary Limestone Aquifer includes parts of the Cooper Group, Ocala, Castle Hayne and Santee limestones. These units are composed of limestone which ranges from white, fossiliferous and pure to impure sandy and clayey varieties. Well yields vary from less than 10 gpm to greater than 1000 gpm and are controlled by the occurrence of solution cavities and openings in the limestone. Wells in this aquifer are completed as "open holes", with a solid casing extended down into the top few feet of competent rock and grouted to the surface.

Water from the Tertiary Limestone Aquifer can be distinguished from the other noncarbonate aquifers in the State by its high concentration of calcium and bicarbonate ions (Figure 17) and alkaline pH (Appendix D). This elevated ion concentration is also reflected in specific conductance and total dissolved solids (TDS) levels. At wells within approximately one mile of the seacoast, sodium is the dominant cation, apparently a result of seawater/freshwater mixing. Sodium also exists at higher concentrations than calcium in Walterboro, which is approximately 35 miles from the coast. In this case, the increased level of sodium may possibly be attributed to the cone of depression which has been formed in the aquifer, allowing water from the lower portions of the aquifer to migrate upward. Like sodium, chloride concentrations were also found to be elevated in several coastal well samples, apparently the result of their proximity to the saltwater wedge. A similar trend of high sodium and chloride near the coast can be observed in results of samples obtained from wells in the surficial sand aquifer at Bennet's Point and Edisto Beach #13 (Colleton County).

Among other parameters of note, fluoride concentrations ranged from .1 to 1.4 ppm (average = .53 ) and strontium concentrations ranged from .06 to 1.2 ppm (average = .42 ppm). The presence of strontium may be attributed to the existence of fossils within the limestone which are typically enriched in strontium.

## **SUMMARY**

An ambient groundwater quality monitoring network for South Carolina's major aquifers has been outlined and established throughout the State. Network organization includes the consideration of factors such as well selection, sampling intervals and methods, chemical analysis, data management, a network implementation schedule and estimates of overall expenses.

The network has obtained samples primarily from public supply wells to analyze a wide variety of chemical parameters. Data derived from well records and chemical analyses are managed with Microsoft excel. Graphical presentation of the data was performed utilizing Rockworks Graphical System.

Water samples have been collected at 115 wells, representing portions of nine different aquifers. Water quality and chemistry was found to be highly variable among the aquifers, as well as among differing regions of the same aquifer. Chemical results indicate that a general coastward trend of increasingly mineralized groundwater exists. Water from the shallower and leached sedimentary units of the upper coastal plain are generally free of significant concentrations of the major ions and, because of a lack of buffering action, are acidic. In the

Piedmont, water samples from well “pairs” indicate that a majority of the groundwater’s chemical signature is developed in the overlying saprolite aquifer, although some changes in water chemistry continue to occur as water migrates through the deeper bedrock aquifer. These changes can be used to identify gross composition of the bedrock.

The data generated from the groundwater monitoring network provides both a baseline of information to be used in future ground-water investigations, and a better understanding of the chemical nature of one of South Carolina’s most essential resources.

## Stiff Diagram

### Floridan Aquifer: WSBH-Ridgeland-Blufton-Hilton Head

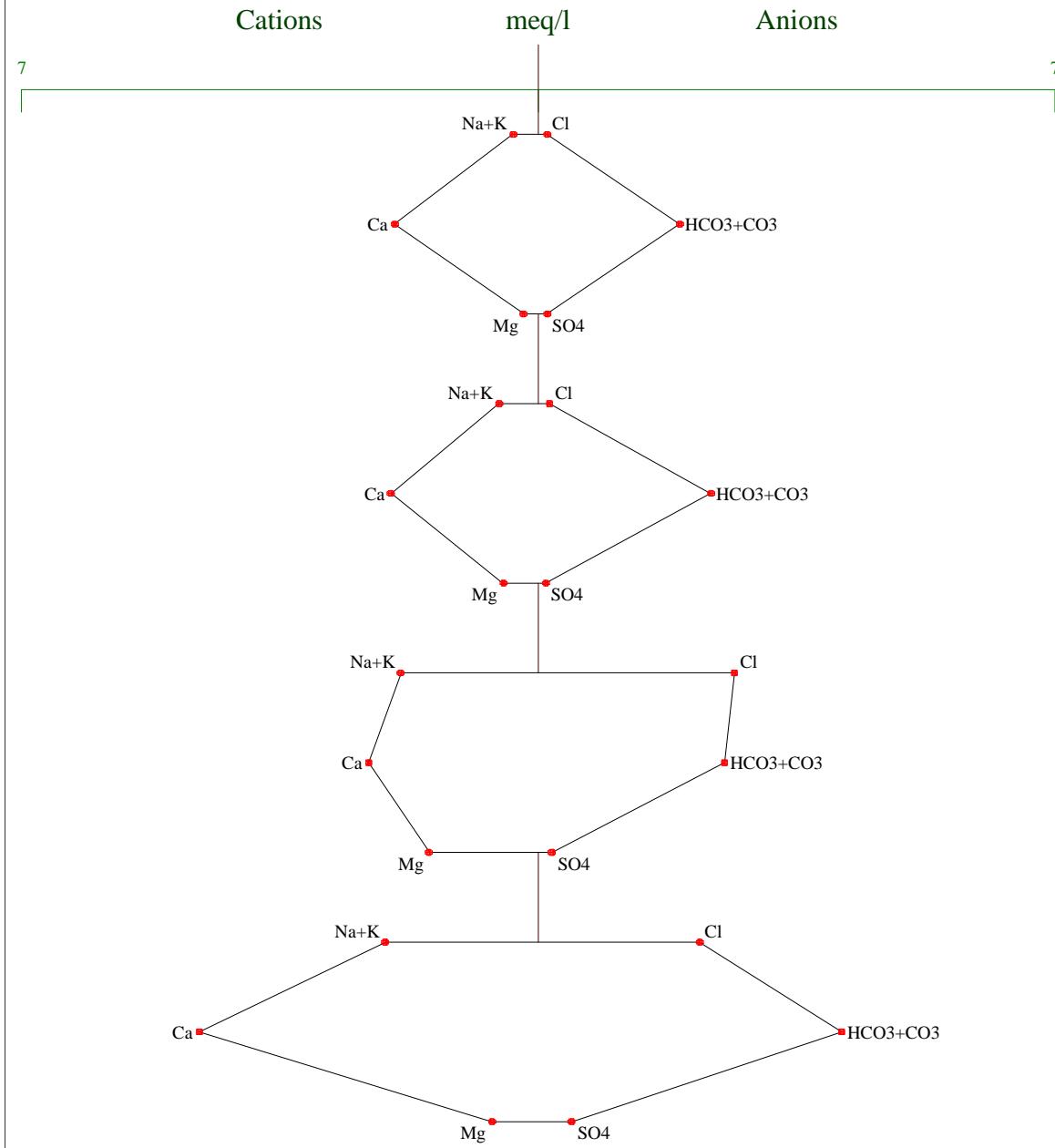


Figure 17. Stiff diagram of Floridan Aquifer chemistry

### **Acknowledgements**

This report borrowed generously from the 1993 Ambient Groundwater Quality Monitoring Network report written by Timothy A. Mettlen. Thanks are also due to Rob Devlin, Pete Stone, David Baize, Sally Knowles, and Alton Boozer for their editing and input. The cooperation of municipal and private well owners was also a critical factor and well appreciated. This report has been funded by the U.S. Environmental Protection Agency, Region IV, through Section 106 of the Clean Water Act.

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## Appendix A

### AMBIENT MONITORING NETWORK GROUNDWATER QUALITY PARAMETERS

nitrate + nitrite  
hardness  
chloride  
sulfate  
TDS  
pH  
alkalinity  
fluoride  
TOC  
specific conductivity  
aluminum  
beryllium  
boron  
cobalt  
strontium  
mercury  
molybdenum  
TKN  
silica  
zinc  
calcium  
magnesium  
sodium  
potassium  
arsenic  
barium  
copper  
iron  
lead  
manganese  
selenium  
silver  
tin  
uranium  
cadmium  
chromium  
nickel  
antimony  
lithium

## Appendix B

### Maximum Contaminant Levels

The maximum contaminant levels for inorganic chemicals are as follows:

<u>Contaminant</u>	<u>Level (mg/l)</u>
Antimony	0.006
Arsenic	0.05
Barium	1.0
Beryllium	0.004
Cadmium	0.005
Chromium	0.10
Fluoride	4.0
Lead	0.05
Mercury	0.002
Nickel	0.1
Nitrate (as N)	10.0
Nitrite (as N)	1.0
Selenium	0.05

### Secondary Maximum Contaminant Levels

The secondary maximum contaminant levels are applicable to both community and non-community water systems. The secondary maximum contaminant levels are as follows:

<u>Contaminant</u>	<u>Level</u>
Chloride	250 mg/l
Color	15 color units
Copper	1 mg/l
Corrosivity	Noncorrosive
Foaming Agents	0.5 mg/l
Iron	0.3 mg/l
Manganese	0.05 mg/l
Odor	3 threshold odor #
pH	6.5-8.5
Sulfate	250 mg/l
Total Dissolved Solids (TDS)	500 mg/l
Zinc	5 mg/l

Source: Drinking Water Regulations and Health Advisories, EPA, December 1992

## **Appendix C**

Ambient Groundwater Quality Network Well #'s and Location  
by County

WELL #	LOCATION	COUNTY	WELL #	LOCATION	COUNTY
01	BAMBERG	Bamberg	59	Lake Wateree St Pk	Fairfield
02	Williston	Barnwell	60	Jenkinsville #4	Fairfield
03	Elloree	Orangeburg	61	Mauldin	Greenville
04	Bowman	Orangeburg	62	Fork Shoals	Greenville
05	Lake View #1	Dillon	63	Gilbert	Lexington
06	Latta #1	Dillon	64	Little Mountain	Newberry
07	Johnsonville	Florence	65	East Cntrl Newberry	Newberry
08	McLeod Med Center	Florence	66	Newberry	Newberry
09	Olanta	Florence	67	Whitmire	Newberry
10	Pamplico #1	Florence	68	Chappells	Newberry
11	Andrews #2	Georgetown	69	Newberry	Newberry
12	Georgetown #2	Georgetown	70	Mountain Rest	Oconee
13	Conway #6	Horry	71	Pickens	Pickens
14	Surfside-Poplar St.	Horry	72	Ballentine	Richland
15	Myrtlewood	Horry	73	Union	Union
16	Longs #2	Horry	74	Guthries	York
17	Mullins-Gapway	Marion	75	Abbeville	Abbeville
18	Oakland Plantation	Sumter	76	Starr (deep)	Anderson
19	Watson Correctional	Sumter	77	Blacksburg	Cherokee
20	Kingtree RT 377	Williamsburg	78	Mauldin	Greenville
21	St. Stephens	Berkeley	79	Fork Shoals	Greenville
22	Summerville #5	Dorchester	80	Newberry	Newberry
23	Cainho High School	Berkeley	81	Mountain Rest	Oconee
24	Santee Cooper	Berkeley	82	Pickens	Pickens
25	St. Matthews	Calhoun	83	Union	Union
26	Wagener	Aiken	84	McClellanville	Charlestown
27	North Augusta	Aiken	85	Edisto Beach (13)	Colleton
28	Montmorenci-Coucht	Aiken	86	Bennetts Point	Colleton
29	Parris Island	Beaufort	87	North Santee	Georgetown
30	Patrick #1	Chesterfield	88	Socastee	Horry
31	Walterboro (50)	Colleton	89	Fairfax	Allendale
32	Main Street	Darlington	90	Frogmore	Beaufort
33	Hartsville #4	Darlington	91	Sheldon	Beaufort
34	Timmonsville #2	Florence	92	Hilton Head Island	Beaufort
35	S. Ballard Street	Florence	93	Bluffton	Beaufort
36	Elgin	Kershaw	94	Walterboro (29)	Colleton
37	Bethune	Kershaw	95	Edisto Beach (4)	Colleton
38	Camden	Kershaw	96	Lieber Correctional	Dorchester
39	Bishopville #4	Lee	97	Hardeeville	Jasper
40	Swansea	Lexington	98	Ridgeland	Jasper
41	Summit	Lexington	99	Grays	Jasper
42	Hidden Valley	Lexington	100	Cope	Orangeburg
43	Clio	Marlboro	101	Orng Fish Hatchery(2)	Orangeburg
44	Orng Fish Hatchery(1)	Orangeburg	102	Blackville	Barnwell
45	Fort Jackson	Richland	103	Lex-Oak Grove Elem	Lexington
46	Spring Valley	Richland	104	North	Orangeburg
47	Hopkins	Richland	105	Pickney Estates	Sumter
48	North of Eastover	Richland	106	Hamilton Branch	McCormick
49	Sumter Plant 1- #3	Sumter	107	N.W. Edgefield Co.	Edgefield
50	Hemingway	Williamsburg	108	Caesar's Head	Greenville
51	Allendale	Allendale	109	Spartanburg	Spartanburg
52	Eutaw Springs	Orangeburg	110	Chester State Park	Chester
53	Moncks Corner	Berkeley	111	White Bluff Baptist C	Lancaster
54	Abbeville	Abbeville	112	Westside Estates	Chesterfield
55	Starr	Anderson	113	Amick Poultry	Saluda
56	Blacksburg	Cherokee	114	WSBH Radio	Hampton
57	Jenkinsville #11	Fairfield	115	McCormick	McCormick
58	Ridgeway	Fairfield			

## **Appendix D**

Ambient Well Network Water Quality Data

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Black Creek	May 88	6.5	53	50	11	U1	2.0	0.06
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Black Creek	May 93	6.3	54	42	10	3.1	1.3	0.04
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Black Creek	May-98	6.3	na	60	15	U2	1.4	0.039
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Black Creek	Aug-00	6.7	65.4	60	15	U2	1.8	0.051
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Black Creek	May 88	6.4	74	46	35	U1	2.0	0.06
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Black Creek	May 93	6.3	75	54	32	4.6	1.9	0.05
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Black Creek	May-98	6.7	na	170	32	U2	2.3	0.065
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Black Creek	May 88	8.1	121	200	26	U1	2.0	0.06
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Black Creek	May 93	8.2	126	82	27	4.4	1.6	0.05
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Black Creek	May-98	8.4	132	90	26	na	2.3	0.065
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Black Creek	May 88	9.1	140	72	4	U1	2.0	0.06
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Black Creek	May 93	9.2	142	90	5	3.5	1.5	0.04
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Black Creek	May-98	9	148	88	10	22	2.5	0.071
05	Lake View #1	34°20'04.03"N	79°10'01.35"W	Dillon	Black Creek	May 89	6.9	151	96	2	U1	2.5	0.07
06	Latta #1	34°20'08.25"N	79°25'59.04"W	Dillon	Black Creek	May 89	6.9	154	100	17	1.5	2.7	0.08
06	Latta #1	34°20'08.25"N	79°25'59.04"W	Dillon	Black Creek	July 94	6.9	156	99	18	3.3	3.5	0.10
07	Johnsonville	33°48'56.88"N	79°27'48.00"W	Florence	Black Creek	May 89	9.2	380	220	4	3.5	3.1	0.09
07	Johnsonville	33°48'56.88"N	79°27'48.00"W	Florence	Black Creek	July 94	9.2	396	240	6	4.8	3.9	0.11
08	McLeod Med C	34°11'51.77"N	79°45'30.55"W	Florence	Black Creek	May 89	6.0	161	150	44	U1	30.5	0.86
08	McLeod Med C	34°11'51.77"N	79°45'30.55"W	Florence	Black Creek	July 94	5.9	127	110	37	2.4	23.4	0.66
09	Olanta	33°56'00.14"N	79°56'23.00"W	Florence	Black Creek	May 89	7.6	130	94	40	U1	2.0	0.06
09	Olanta	33°56'00.14"N	79°56'23.00"W	Florence	Black Creek	July 94	7.6	145	100	41	2.2	1.7	0.05
10	Pamplico #1	33°59'44.83"N	79°34'04.00"W	Florence	Black Creek	May 89	8.9	178	130	6	5.5	3.0	0.08
10	Pamplico #1	33°59'44.83"N	79°34'04.00"W	Florence	Black Creek	July 94	8.9	169	120	5	2.5	2.2	0.06
11	Andrews #2	33°26'27.78"N	79°33'42.96"W	Georgetown	Black Creek	May 89	8.9	570	350	4	3.2	7.7	0.22
11	Andrews #2	33°26'27.78"N	79°33'42.96"W	Georgetown	Black Creek	July 94	9.1	598	340	6	6.7	7.2	0.20
12	Georgetown #2	33°19'48.55"N	79°18'37.58"W	Georgetown	Black Creek	May 89	8.7	990	550	7	1.0	66.7	1.88
12	Georgetown #2	33°19'48.55"N	79°18'37.58"W	Georgetown	Black Creek	July 94	8.7	1030	570	7	8.4	77.2	2.18
13	Conway #6	33°51'04.42"N	79°00'58.19"W	Horry	Black Creek	May 89	8.6	1180	670	8	1.5	102	2.88
13	Conway #6	33°51'04.42"N	79°00'58.19"W	Horry	Black Creek	July 94	7.6	261	140	26	4.6	19	0.55
14	Surfside-Poplar	33°36'48.61"N	78°58'41.34"W	Horry	Black Creek	May 89	8.8	990	580	6	2.5	25.1	0.71
14	Surfside-Poplar	33°36'48.61"N	78°58'41.34"W	Horry	Black Creek	July 94	8.7	965	550	6	12.1	26.4	0.75
15	Myrtlewood	33°43'35.56"N	78°52'45.01"W	Horry	Black Creek	May 89	7.6	261	160	66	8.2	12.9	0.36
15	Myrtlewood	33°43'35.56"N	78°52'45.01"W	Horry	Black Creek	July 94	8.1	775	430	77	7.1	85.8	2.42
16	Longs #2	33°57'25.44"N	78°44'15.13"W	Horry	Black Creek	May 89	8.5	1550	870	17	1.7	210	5.92
16	Longs #2	33°57'25.44"N	78°44'15.13"W	Horry	Black Creek	July 94	8.3	2360	1300	30	11.3	673	19.0
17	Mullins-Gapwa	34°11'37.39"N	79°15'22.72"W	Marion	Black Creek	May 89	7.7	248	170	6	2.0	12.1	0.34
17	Mullins-Gapwa	34°11'37.39"N	79°15'22.72"W	Marion	Black Creek	July 94	7.7	248	180	6	3.1	13.7	0.39
18	Oakland Plantat	33°59'13.50"N	80°29'43.58"W	Sumter	Black Creek	May 89	4.1	29	28	3	U1	2.5	0.07
18	Oakland Plantat	33°59'13.50"N	80°29'43.58"W	Sumter	Black Creek	July 94	4.9	24	10	2	2.8	2.6	0.07

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
19	Watson Correct	34°04'51.15"N	80°35'15.73"W	Sumter	Black Creek	May 89	5.0	42	58	5	U1	4.5	0.13
19	Watson Correct	34°04'51.15"N	80°35'15.73"W	Sumter	Black Creek	July 94	4.3	38	14	2	1.4	2.7	0.08
20	Kingstree RT	3° 33'39"31.00"N	79°49'09.26"W	Williamsburg	Black Creek	May 89	8.3	339	230	6	U1	3.8	0.11
20	Kingstree RT	3° 33'39"31.00"N	79°49'09.26"W	Williamsburg	Black Creek	July 94	8.9	394	230	6	4.8	18.7	0.53
21	St. Stephens	33°24'19.47"N	79°55'32.10"W	Berkeley	BlkCrk/Midd	May 89	8.3	450	320	4	U1	13.2	0.37
21	St. Stephens	33°24'19.47"N	79°55'32.10"W	Berkeley	BlkCrk/Midd	July 94	9.0	578	320	4	7.9	11	0.31
22	Summerville #5	32°59'01.69"N	80°13'06.20"W	Dorchester	BlkCrk/Midd	May 89	8.5	1050	570	2	1.0	20	0.56
22	Summerville #5	32°59'01.69"N	80°13'06.20"W	Dorchester	BlkCrk/Midd	July 94	8.9	983	530	3	8.3	19	0.52
23	Cainhoy High S	33°01'15.76"N	79°51'08.75"W	Berkeley	Black Mingo	May 89	7.7	483	310	100	1.0	17.8	0.50
23	Cainhoy High S	33°01'15.76"N	79°51'08.75"W	Berkeley	Black Mingo	July 94	7.9	513	280	110	6.3	19.1	0.54
24	Santee Cooper	33°12'07.67"N	79°58'54.04"W	Berkeley	Black Mingo	May 89	7.5	480	340	120	1.0	24.6	0.69
24	Santee Cooper	33°12'07.67"N	79°58'54.04"W	Berkeley	Black Mingo	July 94	8.1	597	320	130	4.3	26.3	0.74
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Black Mingo	May 88	6.7	132	100	61	U1	8.5	0.24
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Black Mingo	May 93	6.8	149	100	64	4.8	9.0	0.25
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Black Mingo	May-98	7	137	86	61	U2	7	0.197
26	Wagener	33°38'55.41"N	81°21'20.60"W	Aiken	Middendorf	May 93	5.6	15	12	3.0	2	1.4	0.04
26	Wagener	33°38'55.41"N	81°21'20.60"W	Aiken	Middendorf	May 88	5.3	14	20	2.0	U1	1.5	0.04
27	North Augusta	33°30'50.25"N	81°56'29.20"W	Aiken	Middendorf	May 88	5.5	27	18	5.0	U1	2.5	0.07
28	Montmorenci-C	33°34'49.15"N	81°40'30.70"W	Aiken	Middendorf	May 93	5.4	35	24	4.0	1.7	1.8	0.05
28	Montmorenci-C	33°34'49.15"N	81°40'30.70"W	Aiken	Middendorf	May 88	5.4	21	16	3.0	U1	2.5	0.07
28	Montmorenci-C	33°34'49.15"N	81°40'30.70"W	Aiken	Middendorf	May-98	5.4	na	24	3	U2	1.7	0.048
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Middendorf	May 93	8.6	1850	1100	6.0	86	42.1	1.19
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Middendorf	June 88	8.4	2280	1200	6.0	U1	39.5	1.11
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Middendorf	May-98	8.9	1740	110	3	56	34.8	0.982
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Middendorf	Aug-00	9	1771	1100	2	3.8	35.3	0.996
30	Patrick #1	34°33'47.83"N	80°01'52.37"W	Chesterfield	Middendorf	May 89	5.2	12	12	1.0	U1	1.0	0.03
30	Patrick #1	34°33'47.83"N	80°01'52.37"W	Chesterfield	Middendorf	July 94	5.1	13	4	1.0	1.5	1.23	0.04
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Middendorf	May 88	9.2	340	240	2.0	U1	2.0	0.06
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Middendorf	May 93	8.9	388	240	10	9.2	4.7	0.13
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Middendorf	Aug-00	8.8	396	240	10	2.3	4	0.113
32	Main Street	34°18'26.83"N	79°52'33.89"W	Darlington	Middendorf	May 89	4.8	32	26	3.0	U1	1.0	0.03
32	Main Street	34°18'26.83"N	79°52'33.89"W	Darlington	Middendorf	July 94	4.8	31	22	3.0	1.5	U1	0.00
33	Hartsville #4	34°21'14.68"N	80°06'59.16"W	Darlington	Middendorf	May 89	5.9	17	8	3.0	U1	1.5	0.04
33	Hartsville #4	34°21'14.68"N	80°06'59.16"W	Darlington	Middendorf	July 94	7.1	55	29	25	1.5	1.43	0.04
34	Timmonsville #	34°08'14.02"N	79°56'18.46"W	Florence	Middendorf	May 89	5.9	51	36	7.0	U1	1.5	0.04
34	Timmonsville #	34°08'14.02"N	79°56'18.46"W	Florence	Middendorf	July 94	6.1	51	42	8.0	2.0	1.7	0.05
35	S. Ballard Stree	34°11'49.02"N	79°45'06.42"W	Florence	Middendorf	May 89	6.8	298	150	12	U1	42	1.18
35	S. Ballard Stree	34°11'49.02"N	79°45'06.42"W	Florence	Middendorf	July 94	7.2	170	100	31	1.7	12.5	0.35
36	Elgin	34°10'31.35"N	80°46'17.72"W	Kershaw	Middendorf	May 89	4.2	16	34	2.0	U1	1.5	0.04
36	Elgin	34°10'31.35"N	80°46'17.72"W	Kershaw	Middendorf	July 94	5.2	18	4	2.0	2.1	1.4	0.04

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
37	Bethune	34°23'49.66"N	80°21'15.95"W	Kershaw	Middendorf	May 89	3.9	81	76	21	U1	4.5	0.13
37	Bethune	34°23'49.66"N	80°21'15.95"W	Kershaw	Middendorf	July 94	5.0	36	12	7.0	1.2	2.8	0.08
38	Camden	34°12'40.54"N	80°32'46.10"W	Kershaw	Middendorf	May 89	4.0	51	54	7.0	U1	7.5	0.21
38	Camden	34°12'40.54"N	80°32'46.10"W	Kershaw	Middendorf	July 94	5.1	29	16	2.0	2.0	4.8	0.14
39	Bishopville #4	34°11'46.20"N	80°12'31.81"W	Lee	Middendorf	May 89	4.8	24	44	6.0	U1	2.0	0.06
39	Bishopville #4	34°11'46.20"N	80°12'31.81"W	Lee	Middendorf	July 94	5.1	16	9	2.0	1.4	2.0	0.06
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Middendorf	Dec 91	7.1	75	42	3.0	2.3	1.9	0.05
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Middendorf	May 87	5.3	10	10	1.0	U1	1.5	0.04
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Middendorf	May 97	5.2	13	U1	2.0	U2	1.3	0.04
41	Summit	33°55'43.24"N	81°25'09.08"W	Lexington	Middendorf	Dec 91	4.9	30	38	5.0	2.0	3.0	0.09
41	Summit	33°55'43.24"N	81°25'09.08"W	Lexington	Middendorf	May 87	4.9	28	20	4.0	U1	2.5	0.07
41	Summit	33°55'43.24"N	81°25'09.08"W	Lexington	Middendorf	May 97	4.8	na	9	7.0	U2	3.1	0.09
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Middendorf	May 87	5.6	22	28	2.0	1.4	1.5	0.04
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Middendorf	Dec 91	5.3	14	30	2.0	na	1.6	0.05
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Middendorf	May 97	5.3	14	U1	2.0	U2	1.4	0.04
43	Clio	34°34'44.25"N	79°32'52.08"W	Marlboro	Middendorf	May 89	5.5	48	30	6.0	1.4	4.0	0.11
43	Clio	34°34'44.25"N	79°32'52.08"W	Marlboro	Middendorf	July 94	5.9	52	24	6.0	1.8	3.5	0.10
44	Orng Fish Hatchl	33°28'06.84"N	80°51'18.26"W	Orangeburg	Middendorf	May 88	6.1	58	50	8.0	U1	1.5	0.04
44	Orng Fish Hatchl	33°28'06.84"N	80°51'18.26"W	Orangeburg	Middendorf	May 93	6.0	55	44	8.0	2.5	1.4	0.04
44	Orng Fish Hatchl	33°28'06.84"N	80°51'18.26"W	Orangeburg	Middendorf	May-98	6.5	59.3	44	10	U2	1.6	0.045
45	Fort Jackson	33°59'40.78"N	80°54'17.12"W	Richland	Middendorf	May 87	6.0	15	0	2.0	1.7	2.5	0.07
45	Fort Jackson	33°59'40.78"N	80°54'17.12"W	Richland	Middendorf	Dec 91	5.3	15	36	2.0	U2	1.6	0.05
45	Fort Jackson	33°59'40.78"N	80°54'17.12"W	Richland	Middendorf	May 97	5.2	13	4	2.0	U2	1.2	0.03
46	Spring Valley	34°06'47.37"N	80°52'48.55"W	Richland	Middendorf	Dec 91	5.6	22	12	2.0	1.5	1.9	0.05
46	Spring Valley	34°06'47.37"N	80°52'48.55"W	Richland	Middendorf	May 87	5.7	23	U1	2.0	U1	1.5	0.04
46	Spring Valley	34°06'47.37"N	80°52'48.55"W	Richland	Middendorf	May 97	5.6	29	14	3.0	U2	1.9	0.05
47	Hopkins	33°59'15.16"N	80°50'21.50"W	Richland	Middendorf	May 87	5.1	10	U1	1.0	U1	1.0	0.03
47	Hopkins	33°59'15.16"N	80°50'21.50"W	Richland	Middendorf	Dec 91	5.3	13	6	1.0	0.7	1.3	0.04
47	Hopkins	33°59'15.16"N	80°50'21.50"W	Richland	Middendorf	May 97	5.1	11	25	1.0	U2	1.2	0.03
48	North of Eastov	33°57'07.20"N	80°42'47.07"W	Richland	Middendorf	Dec 91	5.1	27	50	3.0	1.8	2.0	0.06
48	North of Eastov	33°57'07.20"N	80°42'47.07"W	Richland	Middendorf	May 87	5.5	25	U1	3.0	U1	2.0	0.06
49	Sumter Plant 1-	33°56'00.75"N	80°20'46.20"W	Sumter	Middendorf	May 89	5.6	41	64	5.0	U1	2.5	0.07
49	Sumter Plant 1-	33°56'00.75"N	80°20'46.20"W	Sumter	Middendorf	July 94	5.7	41	24	6.0	2.5	2.7	0.08
50	Hemingway	33°44'51.76"N	79°27'04.11"W	Williamsburg	Middendorf	May 89	8.7	690	410	3.0	3.2	31	0.87
50	Hemingway	33°44'51.76"N	79°27'04.11"W	Williamsburg	Middendorf	July 94	8.6	714	400	3.0	7.7	36.6	1.03
51	Allendale	32°58'55.36"N	81°16'35.01"W	Allendale	PD/BlkCrk	May 88	7.2	117	64	24	U1	2.0	0.06
51	Allendale	32°58'55.36"N	81°16'35.01"W	Allendale	PD/BlkCrk	Aug-00	7.3	116	80	25	U2	2.2	0.062
53	Moncks Corner	33°11'32.05"N	80°01'02.98"W	Berkeley	Pee Dee	May 89	7.8	1300	840	21	1.0	71.2	2.01
53	Moncks Corner	33°11'32.05"N	80°01'02.98"W	Berkeley	Pee Dee	July 94	7.8	475	250	160	4.2	21.8	0.62
54	Abbeville	34°08'38.12"N	82°24'12.91"W	Abbeville	Piedmont Bd	Apr 90	6.6	70	76	22	2.1	2.8	0.08

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
54	Abbeville	34°08'38.12"N	82°24'12.91"W	Abbeville	Piedmont Bd	Apr 95	6.4	72	56	19	2.6	2.7	0.08
54	Abbeville (deep)	34°08'38.12"N	82°24'12.91"W	Abbeville	Piedmont Bd	Aug-00	6.4	71.4	64	20	U2	3	0.085
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Saprolite	Apr 90	6.5	46	48	19	2.9	1.9	0.05
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Saprolite	Apr 95	6.5	50	42	17	1.8	1.8	0.05
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Saprolite	Aug-00	6.3	131	88	36	U2	13.2	0.372
56	Blacksburg	35°09'11.60"N	81°26'22.62"W	Cherokee	Saprolite	Apr 90	6.4	62	34	28	1.6	3.3	0.09
56	Blacksburg	35°09'11.60"N	81°26'22.62"W	Cherokee	Saprolite	Apr 95	6.4	68	44	27	1.9	3.6	0.10
57	Jenkinsville #1134	34°23'39.85"N	81°17'31.56"W	Fairfield	Piedmont Bd	May 87	6.5	140	96	43	U1	10.5	0.30
57	Jenkinsville #1134	34°23'39.85"N	81°17'31.56"W	Fairfield	Piedmont Bd	Dec 91	6.4	82	86	17	na	2.5	0.07
57	Jenkinsville #1134	34°23'39.85"N	81°17'31.56"W	Fairfield	Piedmont Bd	May 97	6.3	86	90	17	2.1	3.1	0.09
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Piedmont Bd	May 87	6.3	245	U1	100	1.4	21.5	0.61
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Piedmont Bd	Dec 91	7.6	145	110	60	na	3.2	0.09
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Piedmont Bd	May 97	7.6	170	130	23	4.2	3.0	0.09
59	Lake Wateree S	34°26'08.65"N	80°51'48.57"W	Fairfield	Piedmont Bd	Dec 91	7.1	153	110	26	na	2.4	0.07
59	Lake Wateree S	34°26'08.65"N	80°51'48.57"W	Fairfield	Piedmont Bd	May 87	6.3	120	U1	51	U1	3.0	0.08
59	Lake Wateree S	34°26'08.65"N	80°51'48.57"W	Fairfield	Piedmont Bd	May 97	6.9	137	95	65	U2	2.4	0.07
60	Jenkinsville #4	34°22'03.53"N	81°17'35.34"W	Fairfield	Piedmont Bd	Dec 91	6.8	104	92	34	na	4.9	0.14
60	Jenkinsville # 4	34°22'03.53"N	81°17'35.34"W	Fairfield	Piedmont Bd	May 87	7.1	103	72	37	U1	4.0	0.11
60	Jenkinsville #4	34°22'03.53"N	81°17'35.34"W	Fairfield	Piedmont Bd	May 97	6.6	91	80	26	U2	4.7	0.13
61	Mauldin	34°46'46.46"N	82°13'06.56"W	Greenville	Saprolite	Apr 90	5.2	180	48	9.0	1.1	5.7	0.16
62	Fork Shoals	34°33'50.36"N	82°19'38.80"W	Greenville	Saprolite	Apr 90	6.7	143	62	20	1.4	2.9	0.08
62	Fork Shoals	34°33'50.36"N	82°19'38.80"W	Greenville	Saprolite	Apr 95	6.8	75	66	23	2.7	2.7	0.08
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Piedmont Bd	Dec 91	8.0	110	120	28	2.3	1.4	0.04
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Piedmont Bd	May 87	8.0	108	92	27	U1	1.5	0.04
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Piedmont Bd	May 97	7.9	na	110	28	U2	1.6	0.05
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Piedmont Bd	Dec 91	6.9	na	42	7.0	1.9	13.8	0.39
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Piedmont Bd	May 87	6.8	130	84	44	1.1	5.0	0.14
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Piedmont Bd	May 97	6.9	160	130	56	2.5	5.8	0.16
65	East Cntrl Newl	34°23'34.40"N	81°27'37.80"W	Newberry	Piedmont Bd	Dec 91	7.2	132	140	44	na	3.9	0.11
65	East Cntrl Newl	34°23'34.40"N	81°27'37.80"W	Newberry	Piedmont Bd	May 87	6.5	122	U1	47	U1	3.0	0.08
65	East Cntrl Newl	34°23'34.40"N	81°27'37.80"W	Newberry	Piedmont Bd	May 97	7.3	126	76	44	U2	3.0	0.08
66	Newberry	34°18'46.87"N	81°34'16.69"W	Newberry	Piedmont Bd	May 87	6.6	109	74	31	U1	5.0	0.14
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Piedmont Bd	Dec 91	6.8	211	180	75	na	60	0.17
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Piedmont Bd	May 87	6.5	170	U1	68	U1	3.5	0.10
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Piedmont Bd	May 97	7.0	272	170	100	5.4	4.3	0.12
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Piedmont Bd	Dec 91	7.2	195	180	72	na	5.8	0.16
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Piedmont Bd	May 87	7.3	176	130	65	U1	5.0	0.14
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Piedmont Bd	May 97	7.0	186	130	75	3.5	4.6	0.13
69	Newberry	34°19'45.65"N	81°32'12.40"W	Newberry	Saprolite	Apr 90	5.9	140	110	28	2.7	16.1	0.45
69	Newberry	34°19'45.65"N	81°32'12.40"W	Newberry	Saprolite	Apr 95	6.2	183	130	41	3.5	17.6	0.49

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Saprolite	Apr 90	5.2	38	26	6.0	3.9	6.6	0.19
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Saprolite	Apr 95	5.3	32	22	5.0	3.0	2.2	0.06
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Saprolite	Aug-00	5.3	27.2	NA	4	U2	2.1	0.059
71	Pickens	35°02'28.21"N	82°39'25.75"W	Pickens	Saprolite	Apr 90	6.4	36	24	15	1.1	1.5	0.04
71	Pickens	35°02'28.21"N	82°39'25.75"W	Pickens	Saprolite	Apr 95	5.9	22	8	2	2.2	1.0	0.03
72	Ballentine	34°07'25.07"N	81°15'36.85"W	Richland	Piedmont Bd	May 87	6.5	178	110	86	U1	9.5	0.27
72	Ballentine	34°07'25.07"N	81°15'36.85"W	Richland	Piedmont Bd	Dec 91	6.0	142	110	45	7.8	14.1	0.40
73	Union	34°44'15.08"N	81°39'41.18"W	Union	Saprolite	Apr 90	6.8	60	60	23	2.4	1.8	0.05
73	Union	34°44'15.08"N	81°39'41.18"W	Union	Saprolite	Apr 95	6.3	62	50	17	2.2	2.3	0.07
74	Guthries	34°54'27.91"N	81°11'38.39"W	York	Piedmont Bd	Apr 90	7.1	98	90	45	1.4	1.8	0.05
74	Guthries	34°54'27.91"N	81°11'38.39"W	York	Piedmont Bd	Apr 95	7.0	94	78	35	1.1	2.2	0.06
75	Abbeville	34°08'27.15"N	82°24'13.35"W	Abbeville	Saprolite	Apr 90	7.8	88	70	30	2.1	2.2	0.06
75	Abbeville	34°08'27.15"N	82°24'13.35"W	Abbeville	Saprolite	Apr 95	6.4	49	42	16	2.1	3.6	0.10
75	Abbeville (shall)	34°08'27.15"N	82°24'13.35"W	Abbeville	Saprolite	Aug-00	5.9	47.8	36	12	U2	2.5	0.071
76	Starr	34°23'47.70"N	82°45'22.35"W	Anderson	Piedmont Bd	Apr 90	11	220	110	25	2.2	2.7	0.08
76	Starr	34°23'47.70"N	82°45'22.35"W	Anderson	Piedmont Bd	Apr 95	6.7	106	83	39	1.8	3.6	0.10
76	Starr (deep)	34°23'47.70"N	82°45'22.35"W	Anderson	Piedmont Bd	Aug-00	7.3	133	100	49	U2	2.9	0.082
77	Blacksburg	35°09'17.26"N	81°26'23.17"W	Cherokee	Piedmont Bd	Apr 95	7.6	147	95	67	3.3	1.9	0.05
78	Mauldin	34°46'47.08"N	82°13'09.22"W	Greenville	Piedmont Bd	Apr 90	6.1	260	42	9.0	1.6	1.5	0.04
79	Fork Shoals	34°33'52.27"N	82°19'38.95"W	Greenville	Piedmont Bd	Apr 90	7.5	79	120	67	2.3	1.9	0.05
79	Fork Shoals	34°33'52.27"N	82°19'38.95"W	Greenville	Piedmont Bd	Apr 95	7.5	168	120	60	2.7	1.9	0.05
80	Newberry	34°19'44.22"N	81°32'16.25"W	Newberry	Piedmont Bd	Apr 90	6.8	90	82	34	1.5	3.2	0.09
80	Newberry	34°19'44.22"N	81°32'16.25"W	Newberry	Piedmont Bd	Apr 95	6.6	97	90	33	2.7	3.0	0.09
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Piedmont Bd	Apr 90	5.1	33	24	5.0	3.6	4.4	0.12
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Piedmont Bd	Apr 95	5.2	34	18	5.0	3.3	2.7	0.08
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Piedmont Bd	Aug-00	5.1	34.2	NA	5	U2	2	0.056
82	Pickens	35°02'11.64"N	82°40'38.00"W	Pickens	Piedmont Bd	Apr 90	6.3	31	36	8.0	1.0	U1	0.00
82	Pickens	35°02'11.64"N	82°40'38.00"W	Pickens	Piedmont Bd	Apr 95	6.2	36	32	9.0	2.2	U1	U1
83	Union	34°44'21.94"N	81°39'51.93"W	Union	Piedmont Bd	Apr 90	6.2	124	120	36	1.2	16.7	0.47
83	Union	34°44'21.94"N	81°39'51.93"W	Union	Piedmont Bd	Apr 95	6.2	114	96	26	1.7	12.8	0.36
84	McClellanville	33°05'26.57"N	79°27'19.90"W	Charlestown	Surf sands	May 89	7.2	4450	290	210	4.5	20.7	0.58
85	Edisto Beach (1)	32°30'51.50"N	80°18'32.85"W	Colleton	Surf sands	May 88	6.9	1540	1100	450	13.2	240	6.77
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Surf sands	May 88	8.5	1500	200	19	U1	215	6.06
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Surf sands	May 93	8.1	4	2400	97	39	295	83.2
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Surf sands	May-98	8.6	na	990	29	20	235	6.629
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Surf sands	Aug-00	8.5	2098	1300	33	5.1	37	1.044
87	North Santee	33°14'53.80"N	79°24'06.50"W	Georgetown	Surf sands	May 89	7.3	559	360	210	5.2	12.8	0.36
88	Socastee	33°39'58.40"N	78°59'52.17"W	Horry	Surf sands	May 89	6.2	124	80	20	U1	17	0.48
88	Socastee	33°39'58.40"N	78°59'52.17"W	Horry	Surf sands	July 94	6.3	129	79	21	3.2	22.9	0.65
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Tert Lmst	May 88	8.4	170	110	42	U1	2.0	0.06

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Tert Lmst	May 93	8.4	200	140	41	3.8	2.2	0.06
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Tert Lmst	May-98	8.2	197	140	50	na	2.7	0.076
90	Frogmore	32°24'25.42"N	80°32'08.57"W	Beaufort	Tert Lmst	June 88	7.9	262	200	120	1.0	26	0.73
90	Frogmore	32°24'25.42"N	80°32'08.57"W	Beaufort	Tert Lmst	Aug-00	8	308	190	110	2.1	29.5	0.832
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Tert Lmst	May 93	8.1	274	150	97	11.4	5.6	0.16
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Tert Lmst	June 88	8.0	230	170	99	U1	5.0	0.14
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Tert Lmst	May-98	8	275	37	96	na	6.1	0.172
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Tert Lmst	Aug-00	8.1	288	180	93	U2	5.5	0.155
92	Hilton Head Isl:	32°09'43.19"N	80°45'06.36"W	Beaufort	Tert Lmst	May 93	7.6	559	330	150	26	74	2.09
92	Hilton Head Isl:	32°09'43.19"N	80°45'06.36"W	Beaufort	Tert Lmst	June 88	8.0	400	300	100	U1	45	1.27
92	Hilton Head Isl:	32°09'43.19"N	80°45'06.36"W	Beaufort	Tert Lmst	May-98	7.5	628	390	240	na	76.2	2.150
92	Hilton Head Isl:	32°09'43.19"N	80°45'06.36"W	Beaufort	Tert Lmst	Aug-00	7.6	751	440	260	7.4	77.6	2.189
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Tert Lmst	May 93	7.8	450	250	190	13.3	42.3	1.19
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Tert Lmst	June 88	7.7	430	350	230	U1	45	1.27
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Tert Lmst	May-98	7.9	586	280	190	na	84.4	2.381
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Tert Lmst	Aug-00	7.9	579	330	190	2.1	94.3	2.660
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Tert Lmst	May 93	9.0	356	220	8.0	11.7	4.4	0.12
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Tert Lmst	May 88	8.7	342	240	11	U1	4.5	0.13
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Tert Lmst	May-98	8.7	na	250	12	22	4.9	0.138
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Tert Lmst	Aug-00	8.8	392	250	11	2.3	5	0.141
95	Edisto Beach (4)	32°30'30.50.54"N	80°18'33.65"W	Colleton	Tert Lmst	May 88	8.7	4020	2300	78	4.1	750	21.2
95	Edisto Beach (4)	32°30'30.50.54"N	80°18'33.65"W	Colleton	Tert Lmst	May 93	8.5	1970	1200	31	37	568	16.0
95	Edisto Beach (4)	32°30'30.50.54"N	80°18'33.65"W	Colleton	Tert Lmst	May-98	8.2	na	2300	100	6.2	1300	36.671
96	Lieber Correctic	33°05'10.96"N	80°17'38.28"W	Dorchester	Tert Lmst	May 89	7.6	270	170	68	1.0	U1	0.00
96	Lieber Correctic	33°05'10.96"N	80°17'38.28"W	Dorchester	Tert Lmst	July 94	8.1	316	160	74	3.0	5.5	0.16
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Tert Lmst	May 93	7.9	234	160	88	7.7	7.4	0.21
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Tert Lmst	May 88	8.1	213	150	80	U1	3.5	0.10
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Tert Lmst	May-98	8.1	210	150	82	na	3.6	0.102
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Tert Lmst	Aug-00	8.2	235	140	78	U2	3.7	0.104
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Tert Lmst	May 93	7.8	294	190	130	1.7	5.1	0.14
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Tert Lmst	June 88	7.8	250	180	140	U1	5.0	0.14
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Tert Lmst	May-98	7.9	288	190	130	na	5.4	0.152
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Tert Lmst	Aug-00	7.7	2	200	120	U2	5.5	0.155
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Tert Lmst	May 88	7.9	238	180	120	U1	3.5	0.10
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Tert Lmst	May 93	8.0	262	160	120	70	4.0	0.11
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Tert Lmst	May-98	7.9	249	190	120	na	4	0.113
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Tert Lmst	Aug-00	7.9	269	180	110	U2	4.1	0.116
100	Cope	33°22'27.98"N	81°00'24.20"W	Orangeburg	Tert Lmst	May 88	7.1	147	140	74	1.1	2.0	0.06
100	Cope	33°22'27.98"N	81°00'24.20"W	Orangeburg	Tert Lmst	May 93	7.4	188	140	78	5.8	0.22	0.01
100	Cope	33°22'27.98"N	81°00'24.20"W	Orangeburg	Tert Lmst	May-98	7.4	na	140	77	U2	1.6	0.045

## Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	AQUIFER	DATE	PH	SP_CD	TDS	Hard	TOC	CL_ppm	CL_epm
101	Orng Fish Hatchl	33°28'03.05"N	80°51'32.03"W	Orangeburg	Tert Lmst	May 93	7.3	56	120	96	8.3	2.7	0.08
101	Orng Fish Hatchl	33°28'03.05"N	80°51'32.03"W	Orangeburg	Tert Lmst	May 88	7.4	205	170	110	U1	6.0	0.17
101	Orng Fish Hatchl	33°28'03.05"N	80°51'32.03"W	Orangeburg	Tert Lmst	May-98	8.1	242	160	110	U2	4.9	0.138
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Tert Sands	May 93	7.7	223	160	120	7.8	2.5	0.07
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Tert Sands	May 88	7.6	198	140	110	U1	2.5	0.07
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Tert Sands	May-98	7.7	na	64	110	U2	2.6	0.073
103	Lex-Oak Grove	33°59'07.83"N	81°09'29.06"W	Lexington	Tert Sands	May 87	4.9	18	12	2.0	U1	2.0	0.06
103	Lex-Oak Grove	33°59'07.83"N	81°09'29.06"W	Lexington	Tert Sands	Dec 91	7.7	290	170	2.0	1.4	71.1	2.00
103	Lex-Oak Grove	33°59'07.83"N	81°09'29.06"W	Lexington	Tert Sands	May 97	7.7	na	120	3.0	2.8	3.4	0.09
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Tert Sands	May 88	5.1	22	22	3.0	U1	2.5	0.07
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Tert Sands	May 93	5.2	25	20	3.0	1.8	2.6	0.07
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Tert Sands	May-98	5.5	na	20	4	U2	2.8	0.079
105	Pickney Estates	33°51'55.76"N	80°20'33.46"W	Sumter	Tert Sands	May 89	6.2	62	78	19	U1	2.5	0.07
105	Pickney Estates	33°51'55.76"N	80°20'33.46"W	Sumter	Tert Sands	July 94	6.2	69	38	22	1.8	2.8	0.08
106	Hamilton Branc	33°45'15.04"N	82°12'14.30"W	McCormick	Piedmont Bd	June 91	7.0	114	86	36	2.3	5.1	0.14
106	Hamilton Branc	33°45'15.04"N	82°12'14.30"W	McCormick	Piedmont Bd	July 96	7.2	120	91	35	2.4	4.7	0.13
107	N.W. Edgefield	33°56'05.24"N	82°07'20.62"W	Edgefield	Piedmont Bd	June 91	6.2	70	84	9.0	2.2	3.8	0.10
108	Caesar's Head	35°06'26.88"N	82°37'52.54"W	Greenville	Piedmont Bd	June 91	8.4	681	370	5.0	3.4	6.0	0.17
108	Caesar's Head	35°06'26.88"N	82°37'52.54"W	Greenville	Piedmont Bd	July 96	6.6	40	22	12	U2	1.3	0.04
109	Spartanburg	34°57'08.68"N	81°56'07.76"W	Spartanburg	Piedmont Bd	June 91	7.8	217	140	63	3.0	5.1	0.14
109	Spartanburg	34°57'08.68"N	81°56'07.76"W	Spartanburg	Piedmont Bd	July 96	7.8	220	140	66	3.1	5.5	0.155
110	Chester State P:	34°41'02.82"N	81°14'39.98"W	Chester	Piedmont Bd	June 91	7.5	506	340	250	4.5	17.9	0.50
110	Chester State P:	34°41'02.82"N	81°14'39.98"W	Chester	Piedmont Bd	July 96	7.3	540	350	220	8.9	18	0.51
111	White Bluff Baj	34°39'42.33"N	80°33'27.16"W	Lancaster	Piedmont Bd	June 91	6.6	65	72	9.0	1.9	4.5	0.13
111	White Bluff Baj	34°39'42.33"N	80°33'27.16"W	Lancaster	Piedmont Bd	July 96	6.5	61	86	9	U2	4.4	0.12
112	Westside Estate	34°45'20.34"N	80°24'22.96"W	Chesterfield	Piedmont Bd	June 91	7.7	131	110	42	1.5	2.2	0.06
112	Westside Estate	34°45'20.34"N	80°24'22.96"W	Chesterfield	Piedmont Bd	July 96	7.6	129	120	39	2.4	2.2	0.06
113	Amick Poultry	33°56'54.00"N	81°37'49.02"W	Saluda	Piedmont Bd	June 91	6.4	117	78	30	2.5	6.4	0.02
113	Amick Poultry	33°56'54.00"N	81°37'49.02"W	Saluda	Piedmont Bd	July 96	6.3	256	180	87	5	8.8	0.25
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Tert Lmst	June 91	7.0	237	170	110	4.1	4.4	0.12
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Tert Lmst	July 96	7.7	254	160	100	U2	4.5	0.127
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Tert Lmst	Aug-00	7.9	252	170	110	U2	4.2	0.118
115	McCormick	33°55'01.17"N	82°17'20.11"W	McCormick	Piedmont Bd	Aug-00	8.3	536	380	230	U2	16.4	0.463

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
01	Bamberg	13	U10	0.00	U1	23	0.38	87	3.4	0.17	64.2	0.57	0.05
01	Bamberg	U1	10	0.21	47	12	0.20	45	3.2	0.16	39	0.55	0.05
01	Bamberg	9.87	7	0.15	36.44	13	0.21	53.69	4.8	0.24	45.78	0.69	0.06
01	Bamberg	9.78	9	0.19	36.11	17	0.28	54.11	4.9	0.24	48.63	0.64	0.05
02	Williston	11.7	U10	0.00	U1	26	0.43	88.3	13	0.65	85.9	0.55	0.05
02	Williston	7.2	10	0.21	30.4	26	0.43	62.3	12	0.60	84.5	0.55	0.05
02	Williston	8.97	7	0.15	20.17	31	0.51	70.86	12.0	0.60	60.32	0.56	0.05
03	Elloree	6.2	U10	0.00	U1	52	0.85	93.8	8.9	0.44	39.3	0.92	0.08
03	Elloree	4.1	10	0.21	19.2	51	0.84	76.7	9.2	0.46	35.7	0.95	0.08
03	Elloree	6.43	8	0.17	16.53	47	0.78	77.04	8.9	0.44	34.26	1	0.08
04	Bowman	5.2	U10	0.00	U1	63	1.03	94.8	1.6	0.08	5.4	0.06	0.00
04	Bowman	3.1	11	0.23	18.1	61	1.00	78.7	1.7	0.08	5.4	0.09	0.01
04	Bowman	7.41	9	0.19	19.69	42	0.69	72.90	1.6	0.08	5.49	U.05	0.00
05	Lake View #1	5.6	U10	0.00	U1	73	1.20	94.4	0.38	0.02	1.3	0.16	0.01
06	Latta #1	6.1	U10	0.00	U1	72	1.18	93.9	2.6	0.13	9.7	2.60	0.21
06	Latta #1	7.5	U5	0.00	U1	75	1.23	92.5	2.4	0.12	7.5	2.80	0.23
07	Johnsonville	2.7	11	0.23	7	179	2.94	90.3	1.3	0.06	1.7	0.17	0.01
07	Johnsonville	3.4	U5	0.00	U1	193	3.16	96.6	2	0.10	2.5	0.20	0.02
08	McLeod Med C 60.5	12	0.25	17.6	19	0.31	21.9	14	0.70	66.3	2.10	0.17	
08	McLeod Med C 62.3	7	0.15	14.2	15.	0.25	23.6	12	0.60	62.5	1.80	0.15	
09	Olanta	5.7	U10	0.00	U1	57	0.93	94.3	11	0.55	42.0	3.00	0.25
09	Olanta	4.2	8	0.17	14.3	59	0.97	81.5	11	0.55	41.6	3.40	0.25
10	Pamplico #1	5.0	17	0.35	20.8	77	1.26	74.2	1.9	0.09	5.6	0.36	0.03
10	Pamplico #1	4.2	8.0	0.17	11.9	73	1.20	83.9	1.4	0.07	4	0.33	0.03
11	Andrews #2	4.2	U10	0.00	U1	300	4.92	95.8	1.2	0.06	1	0.19	0.02
11	Andrews #2	3.8	U5	0.00	U1	311	5.10	96.2	2	0.1	1.5	0.24	0.02
12	Georgetown #2	27.3	11	0.23	3.3	292	4.79	69.4	2.2	0.11	1.1	0.44	0.04
12	Georgetown #2	23.4	7	0.15	1.6	427	7	75	1.9	0.1	U1	0.51	0.04
13	Conway #6	27.5	U10	0.00	U1	462	7.58	72.5	2.1	0.10	U1	0.62	0.05
13	Conway #6	45.4	U5	0.00	U1	40	0.66	54.5	8.6	0.42	19.4	1.1	0.09
14	Surfside-Poplar	8.2	U10	0.00	U1	484	7.94	91.8	1.6	0.08	U1	0.54	0.04
14	Surfside-Poplar	8.4	U5	0.00	U1	498	8.16	91.6	1.5	0.08	U1	0.48	0.04
15	Myrtlewood	17.1	58	1.21	56.7	34	0.56	26.2	24	1.20	51.6	1.50	0.12
15	Myrtlewood	34.2	27	0.56	7.9	250	4.10	57.9	26	1.29	16.7	2.90	0.24
16	Longs #2	44.7	18	0.37	2.8	423	6.94	52.4	3.5	0.17	1.1	2.10	0.17
16	Longs #2	69.5	26	0.54	2	477	7.81	28.6	6.2	0.31	1.5	3.60	0.30
17	Mullins-Gapwa	16.7	U10	0.00	U1	104	1.71	83.3	1.4	0.07	3	0.61	0.05
17	Mullins-Gapwa	18.7	U5	0.00	U1	104	1.70	81.3	1.4	0.07	2.6	0.64	0.05
18	Oakland Plantat	51.8	U10	0.00	U1	4	0.07	48.2	0.55	0.03	19.8	0.35	0.03
18	Oakland Plantat	70.0	U5	0.00	U1	2.0	0.03	30	0.42	0.02	12.5	0.30	0.03

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
19	Watson Correct	79.5	U10	0.00	U1	2	0.03	20.5	1.1	0.05	21.5	0.54	0.04
19	Watson Correct	100	U5	0.00	U1	0	0.00	U1	0.33	0.02	15.4	0.26	0.02
20	Kingstree RT 3'	3.2	11	0.23	6.9	183	3	89.9	1.9	0.09	2.4	0.30	0.02
20	Kingstree RT 3'	15	14	0.29	8.2	165	2.70	76.7	2	0.10	2.5	0.26	0.02
21	St. Stephens	7.8	U10	0.00	U1	269	4.41	92.2	1.5	0.07	1.2	0.18	0.01
21	St. Stephens	6.2	U5	0.00	U1	288	4.72	93.8	1.4	0.07	1.13	0.17	0.01
22	Summerville #5	6.4	U10	0.00	U1	500	8.20	93.6	0.73	0.04	U1	0.11	0.01
22	Summerville #5	5.9	U5	0.00	U1	500	8.20	94	0.74	0.04	U1	0.16	0.01
23	Cainhoy High S	10.8	10	0.21	4.5	240	3.94	84.7	16	0.80	14.6	15	1.23
23	Cainhoy High S	11.6	7	0.15	3.2	242	3.96	85.2	16	0.80	14.4	16	1.32
24	Santee Cooper	12.9	12	0.25	4.6	271	4.44	82.5	20	1.00	16.5	18	1.48
24	Santee Cooper	14.1	U5	0.00	U1	275	4.51	85.9	21	1.05	16.4	20	1.65
25	St. Matthews	22.6	U10	0.00	U1	50	0.82	77.4	23	1.15	73.7	0.90	0.07
25	St. Matthews	23.4	U10	0.00	U1	50	0.82	76.6	24	1.20	81.6	0.93	0.08
25	St. Matthews	19.93	U5	0.00	U1	48	0.79	80.07	23.0	1.15	81.48	0.91	0.07
26	Wagener	36.4	U10	0.00	U1	4	0.07	63.6	0.84	0.04	38.1	0.18	0.02
26	Wagener	56.3	U10	0.00	U1	2.0	0.03	43.7	0.36	0.02	22.7	0.16	0.01
27	North Augusta	58.9	U10	0.00	U1	3	0.05	41.1	0.98	0.05	25.8	0.55	0.05
28	Montmorenci-C	50.0	U10	0.00	U1	3	0.05	50	0.89	0.04	28.6	0.36	0.03
28	Montmorenci-C	58.9	U10	0.00	U1	3	0.05	41.1	0.69	0.03	25.9	0.30	0.02
28	Montmorenci-C	100.00	U5	0.00	U1	U1	0.00	0.00	0.6	0.03	25.92	0.3	0.02
29	Parris Island	11	13	0.27	2.5	572	9.38	86.5	1.5	0.07	U1	0.46	0.04
29	Parris Island	6.4	U10	0.00	U1	na	na	na	1.5	0.07	U1	0.43	0.04
29	Parris Island	5.89	7	0.15	U1	940	15.54	93.23	0.7	0.03	U1	0.29	0.02
29	Parris Island	5.91	8	0.17	U1	949	15.69	93.10	0.6	0.03	U1	0.18	0.01
30	Patrick #1	46.2	U10	0.00	U1	2	0.03	53.8	0.21	0.01	18	0.13	0.01
30	Patrick #1	57.1	U5	0.00	U1	2	0.03	42.9	0.24	0.01	16.6	0.17	0.01
31	Walterboro (50)	2	U10	0.00	U1	169	2.77	98	0.56	0.03	U1	U.05	0.00
31	Walterboro (50)	3.9	U10	0.00	U1	197	3.23	96.1	2.4	0.12	2.8	0.99	0.08
31	Walterboro (50)	3.24	8	0.17	4.78	194	3.21	91.98	2.4	0.12	3.01	1.1	0.09
32	Main Street	46.2	U10	0.00	U1	2	0.03	53.8	0.68	0.03	25.3	0.37	0.03
32	Main Street	U1	6.0	0.13	86.7	1	0.02	13.3	0.65	0.03	23.1	0.37	0.03
33	Hartsville #4	34.0	U10	0.00	U1	5	0.08	66	0.92	0.05	45.5	0.14	0.01
33	Hartsville #4	8.9	U5	0.00	U1	25	0.41	91.1	9.6	0.48	84.2	0.22	0.02
34	Timmonsville #	17.7	U10	0.00	U1	12	0.20	82.3	1.4	0.07	27.6	0.96	0.08
34	Timmonsville #	11.7	8	0.17	39.5	13	0.21	48.8	1.5	0.08	22.2	1.10	0.09
35	S. Ballard Stree	46.8	15	0.31	12.3	63	1.03	40.8	2.7	0.13	5.2	1.30	0.11
35	S. Ballard Stree	24.6	16	0.33	23.2	45	0.74	52.1	9	0.45	28.4	2	0.17
36	Elgin	56.3	U10	0.00	U1	2	0.03	43.7	0.36	0.02	21	0.30	0.02
36	Elgin	57.1	U5	0.00	U1	2	0.03	42.9	0.36	0.02	15.4	0.30	0.03

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
37	Bethune	79.5	U10	0.00	U1	2	0.03	20.5	3.8	0.19	40.1	2.70	0.22
37	Bethune	80.0	U5	0.00	U1	1	0.02	20	1.4	0.07	28	0.94	0.08
38	Camden	92.8	U10	0.00	U1	1	0.02	7.2	1.4	0.07	24.6	0.96	0.08
38	Camden	66.6	U5	0.00	U1	4	0.07	33.3	0.53	0.03	14.3	0.30	0.03
39	Bishopville #4	36.4	U10	0.00	U1	6	0.10	63.6	1.9	0.09	48.7	0.21	0.02
39	Bishopville #4	66.6	U5	0.00	U1	2	0.03	33.3	0.30	0.02	20	0.20	0.02
40	Swansea	6	U10	0.00	U1	39	0.78	94	0.97	4.84	91.2	0.17	0.01
40	Swansea	56.3	U10	0.00	U1	2	0.03	43.7	0.25	0.01	16.3	0.20	0.02
40	Swansea	99	U5	0.00	U1	U1	0.00	U1	0.28	0.01	14.5	0.2	0.02
41	Summit	81.80	U10	0.00	U1	1	0.02	18.2	0.66	0.04	20	0.79	0.07
41	Summit	81.1	U10	0.00	U1	1	0.02	18.9	0.53	0.03	15.4	0.60	0.05
41	Summit	99	U5	0.00	U1	U1	0.00	U1	0.88	0.04	18.7	1.1	0.09
42	Hidden Valley	12.6	11	0.23	68	4	0.07	19.5	0.43	0.02	26.4	0.20	0.02
42	Hidden Valley	14.3	11	0.23	73	2	0.04	12.7	0.34	0.02	6.51	0.24	0.02
42	Hidden Valley	99.0	U5	0.00	U1	U1	0.00	U1	0.38	0.02	19.7	0.25	0.02
43	Clio	57.9	U10	0.00	U1	5	0.08	42.1	1.8	0.09	31.6	0.41	0.03
43	Clio	25.0	7.0	0.15	37.5	9	0.15	37.5	1.9	0.10	23.8	0.42	0.04
44	Orng Fish Hatchl	24.4	U10	0.00	U1	8	0.13	75.6	2.2	0.11	43.6	0.56	0.05
44	Orng Fish Hatchl	8.88	11	0.23	51.1	11	0.18	40	2.2	0.11	26.8	0.59	0.05
44	Orng Fish Hatchl	10.89	9	0.19	45.24	11	0.18	43.87	2.9	0.14	28.51	0.76	0.06
45	Fort Jackson	21.5	10	0.21	63.5	3	0.05	15	0.42	0.02	23.7	0.24	0.02
45	Fort Jackson	12.0	13	0.27	72	3	0.06	16	0.37	0.02	23.7	0.20	0.02
45	Fort Jackson	67.4	U5	0.00	U1	1	0.02	32.6	0.38	0.02	23.5	0.22	0.02
46	Spring Valley	57.45	U10	0.00	U1	2	0.04	42.6	0.32	0.02	9.87	0.32	0.03
46	Spring Valley	46.2	U10	0.00	U1	3	0.05	53.8	0.37	0.02	9.5	0.35	0.03
46	Spring Valley	76.6	U5	0.00	U1	1	0.02	23.4	0.48	0.02	10	0.45	0.04
47	Hopkins	46.2	U10	0.00	U1	2	0.03	53.8	0.26	0.01	19.8	0.17	0.01
47	Hopkins	66.7	U10	0.00	U1	1	0.02	33.3	0.25	0.01	18.8	0.14	0.01
47	Hopkins	67.4	U5	0.00	U1	1	0.02	32.6	0.27	0.01	21.2	0.15	0.01
48	North of Eastov	15	14	0.29	72.5	3	0.05	12.5	0.30	0.02	9.9	0.56	0.05
48	North of Eastov	13.8	13	0.27	66.1	5	0.08	20.1	0.32	0.02	13.4	0.57	0.05
49	Sumter Plant 1- 35		U10	0.00	U1	8	0.13	65	0.81	0.04	22.5	0.64	0.05
49	Sumter Plant 1- 19.5	8	0.17	41.5	10	0.16	39	1.1	0.06	23.1	0.77	0.06	
50	Hemingway	14.6	12	0.25	4.2	296	4.85	81.2	0.97	0.05	U1	0.21	0.02
50	Hemingway	16.4	5.7	0.12	1.9	313	5.13	81.7	1	0.05	U1	0.24	0.02
51	Allendale	7.4	U10	0.00	U1	43	0.71	92.6	8.1	0.40	40.1	1.00	0.08
51	Allendale	6.17	12	0.25	24.84	42	0.69	68.99	8.1	0.40	37.32	1.1	0.09
53	Moncks Corner	15.3	U10	0.00	U1	680	11.1	84.7	4.6	0.23	1.4	2.30	0.19
53	Moncks Corner	59.1	U5	0.00	U1	216	0.43	40.9	31	1.55	30.7	20	1.65
54	Abbeville	16.7	U10	0.00	U1	24	0.39	83.3	7	0.35	48.4	1.20	0.10

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
54	Abbeville	16.8	U5	0.00	U1	23	0.38	83.2	6.1	0.30	48	1.0	0.08
54	Abbeville (deep)	15.94	U5	0.00	U1	27	0.45	84.06	6.2	0.31	42.67	1.1	0.09
55	Starr	9.3	10	0.21	36.3	19	0.31	54.4	4.8	0.24	50.8	1.6	0.13
55	Starr	14.7	U5	0.00	U1	18	0.29	85.3	4.2	0.21	45.9	1.5	0.12
55	Starr	46.42	U5	0.00	U1	26	0.43	53.58	8.1	0.40	38.47	3.8	0.31
56	Blacksburg	17.4	U10	0.00	U1	27	0.44	82.6	6.7	0.33	54.6	2.8	0.23
56	Blacksburg	18	U5	0.02	U1	28	0.46	81.9	6.3	0.31	48.7	2.7	0.22
57	Jenkinsville #1122.8		U10	0.00	U1	61	1	77.2	10	0.50	32.1	4.4	0.36
57	Jenkinsville #1158.7		U10	0.00	U1	2.5	0.05	41.3	4.9	0.25	32.3	1.1	0.09
57	Jenkinsville #1113.4		7	0.12	22	26	0.43	64.6	5	0.25	29.3	1.2	0.09
58	Ridgeway	26.3	13	0.27	11.7	87	1.43	61.9	25	1.25	49	10	0.82
58	Ridgeway	6.3	U10	0.00	U1	67	1.34	93.7	14	0.70	42.4	6	0.49
58	Ridgeway	5.7	9	0.19	12.6	74	1.2	81.7	6.5	0.32	42.2	1.7	0.14
59	Lake Wateree S 4.39		U10	0.00	U1	74	1.48	95.6	7.4	0.37	45.7	1.8	0.15
59	Lake Wateree S 7.1		U10	0.00	U1	67	1.10	92.9	16	0.80	57.5	2.8	0.23
59	Lake Wateree S 6.9		U5	0.00	U1	56	0.92	93.1	15	0.75	56.7	6.6	0.54
60	Jenkinsville #4	16.1	U10	0.00	U1	36	0.72	83.9	8.5	4.24	93.6	3	0.25
60	Jenkinsville #4	14.7	U10	0.00	U1	40	0.66	85.3	9.6	0.48	44.8	3.1	0.25
60	Jenkinsville #4	27.8	U5	0.00	U1	21	0.34	72.2	6.1	0.30	33.9	2.5	0.21
61	Mauldin	38.1	11	0.23	54.2	2	0.03	7.8	2.9	0.14	35.1	0.34	0.03
62	Fork Shoals	16.6	U10	0.00	U1	25	0.41	83.4	7	0.35	57.8	0.61	0.05
62	Fork Shoals	57.8	U5	0.00	U1	27	0.44	85.3	8.4	0.42	57.8	0.5	0.04
63	Gilbert	2.9	14	0.29	20.9	53	1.06	76.3	8	0.40	35.4	1.9	0.16
63	Gilbert	3.9	10	0.21	19.1	51	0.84	77	7.7	0.38	35	1.8	0.15
63	Gilbert	4.8	7	0.15	15.4	46	0.75	79.8	8.1	0.41	33.8	1.8	0.15
64	Little Mountain 6	0	0.00	U1	86	0.55	94	40.1	4.80	U1	28.5	9.10	
64	Little Mountain 13.3		U10	0.00	U1	56	0.92	86.7	10	0.50	38	4.6	0.38
64	Little Mountain 14.3		U5	0.00	U1	60	0.98	85.7	13	0.65	41.6	5.6	0.46
65	East Cntrl Newl8.39		U10	0.00	U1	60	1.20	91.6	14	0.70	55.5	2.3	0.19
65	East Cntrl Newl6.6		11	0.23	17.9	59	0.97	75.5	15	0.75	57.8	2.2	0.18
65	East Cntrl Newl9.4		U5	0.00	U1	50	0.82	90.6	14	0.69	53.9	2.2	0.18
66	Newberry	17	U10	0.00	U1	42	0.69	83	7.8	0.39	38.7	2.7	0.22
67	Whitmire	7.6	U10	0.00	U1	104	2.08	92.4	18	0.90	42.2	7.4	0.61
67	Whitmire	5.2	11	0.23	12	96	1.57	82.8	15	0.75	39.8	7.4	0.61
67	Whitmire	5.26	6	0.13	5.4	125	2.1	89.3	27	1.4	48.1	8.9	0.73
68	Chappells	6.47	12	0.25	10.1	103	0.21	83.4	0.50	0.75	41.2	8.5	0.70
68	Chappells	7.6	U10	0.00	U1	104	1.71	92.4	14	0.70	41.5	7.3	0.60
68	Chappells	8.6	U5	0.00	U1	84	1.38	91.4	16	0.79	41.5	8.6	0.71
69	Newberry	58.1	U10	0.00	U1	20	0.33	41.9	8	0.40	36.8	2	0.16
69	Newberry	50.2	U5	0.00	U1	30	0.49	49.8	12	0.59	37.8	2.7	0.22

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
70	Mountain Rest	34.6	13	0.27	50.2	5	0.08	15.2	1.1	0.05	19.2	0.86	0.07
70	Mountain Rest	43.1	U5	0.00	U1	5	0.08	56.9	0.7	0.03	16.8	0.68	0.06
70	Mountain Rest	41.75	U5	0.00	U1	5	0.08	58.25	0.6	0.03	16.09	0.65	0.05
71	Pickens	12.5	U10	0.00	U1	18	0.30	87.5	5.9	0.29	80.7	0.17	0.01
71	Pickens	16.1	U5	0.00	U1	9	0.14	83.9	2.3	0.11	67.9	0.13	0.01
72	Ballentine	14.1	10	0.21	10.9	87	1.43	75	29	1.45	69.3	3.30	0.27
72	Ballentine	26.5	13	0.27	17.9	42	0.84	73	12	0.60	46.2	3.7	0.30
73	Union	9.1	U10	0.00	U1	31	0.51	90.9	8.2	0.41	62.4	0.67	0.06
73	Union	13.2	U5	0.00	U1	26	0.43	86.8	5.7	0.28	47.6	0.75	0.06
74	Guthries	5.7	U10	0.00	U1	51	0.84	94.3	13	0.65	58.8	3	0.25
74	Guthries	8.1	U5	0.00	U1	43	0.70	91.9	9.5	0.47	50.7	2.8	0.23
75	Abbeville	5.9	10	0.21	19.7	48	0.79	74.5	11	0.55	68.3	0.5	0.04
75	Abbeville	25.6	U5	0.02	U1	18	0.3	74.4	5.7	0.28	75.4	0.41	0.03
75	Abbeville (shall 21.05)	U5	0.00	U1	16	0.26	78.95	3.8	0.19	41.52	0.51	0.04	
76	Starr	4.6	U10	0.00	U1	96	1.57	95.4	10	0.50	24.6	0.07	0.01
76	Starr	17.1	U5	0.00	U1	30	0.49	82.9	8.8	0.43	45.8	4.1	0.34
76	Starr (deep)	10.36	7	0.15	18.47	34	0.56	71.17	14.0	0.70	51.86	3.4	0.28
77	Blacksburg	4.1	U5	0.00	U1	76	1.25	95.9	19	0.95	63.1	4.7	0.39
78	Mauldin	24.4	U10	0.00	U1	8	0.13	75.6	2.3	0.11	38.1	0.68	0.06
79	Fork Shoals	4.3	U10	0.00	U1	73	1.20	95.7	17	0.85	46.6	6	0.49
79	Fork Shoals	3.9	U5	0.00	U1	81	1.33	96.1	19	0.95	53.6	3	0.25
80	Newberry	11.6	U10	0.00	U1	42	0.69	88.4	7.5	0.37	38.4	3.80	0.31
80	Newberry	20.8	U5	0.00	U1	43	0.70	89.3	7.3	0.36	37.9	3.6	0.3
81	Mountain Rest	65.4	U10	0.00	U1	4	0.07	34.6	0.84	0.04	18.2	0.71	0.06
81	Mountain Rest	53.7	U5	0.00	U1	4	0.06	46.3	0.80	0.04	17.9	0.75	0.06
81	Mountain Rest	53.22	U5	0.00	U1	3	0.05	46.78	0.9	0.04	17.07	0.82	0.07
82	Pickens	U1	12	0.25	47.2	17	0.28	52.8	2.5	0.12	41.7	0.32	0.03
82	Pickens	U1	U5	0.00	U1	17	0.27	99	2.9	0.14	41.2	0.4	0.03
83	Union	61.5	U10	0.00	U1	18	0.30	38.5	10	0.50	40.4	2.6	0.21
83	Union	53.7	U5	0.00	U1	19	0.31	46.3	7.5	0.37	38.4	1.8	0.15
84	McClellanville	13.5	U10	0.00	U1	228	3.74	86.5	71	3.54	72.4	8	0.66
85	Edisto Beach (149.8)	170	3.54	26	201	3.30	24.2	148	7.39	48.6	20	1.64	
86	Bennetts Point	44.7	30	0.62	4.6	420	6.89	50.7	2.5	0.12	U1	3	0.25
86	Bennetts Point	89.2	100	2.1	2.3	484	7.93	8.5	11	0.54	1.1	17	7.98
86	Bennetts Point	50.53	33	0.69	5.24	351	5.80	44.23	3.7	0.18	1.06	4.9	0.40
86	Bennetts Point	13.69	NA	0.00	U1	398	6.58	86.31	4.6	0.23	1.19	5.3	0.44
87	North Santee	7.4	U10	0.00	U1	275	4.51	92.6	73	3.64	67	7	0.58
88	Socastee	47	U10	0.00	U1	33	0.54	53	6.8	0.34	32.2	0.77	0.06
88	Socastee	31.6	38	0.79	38.3	38	0.62	30.1	7.1	0.35	21.4	0.79	0.65
89	Fairfax	3.6	U10	0.00	U1	93	1.53	96.4	11	0.55	28.5	3.5	0.29

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
89	Fairfax	3.4	10.00	0.21	11.8	92	1.51	84.8	11	0.55	26.1	3.4	0.28
89	Fairfax	5.03	U5	0.00	0.00	87	1.44	94.97	13.0	0.65	30.09	4.3	0.35
90	Frogmore	26.3	U10	0.00	U1	125	2.05	73.7	40	2.00	60.6	5.2	0.43
90	Frogmore	28.02	5	0.10	3.51	123	2.03	68.47	36.0	1.80	58.04	4.5	0.37
91	Sheldon	6.61	U10	0.00	U1	138	2.26	93.4	23	1.15	38.2	9.6	0.79
91	Sheldon	5.8	U10	0.00	U1	139	2.28	94.2	23	1.15	36.6	10	0.82
91	Sheldon	7.36	U5	0.00	U1	131	2.17	92.64	22.0	1.10	37.13	10	0.82
91	Sheldon	6.11	5	0.10	4.10	138	2.28	89.79	23.0	1.15	40.62	8.7	0.72
92	Hilton Head Isl	41.6	20	0.42	8.3	154	2.52	50.1	41	2.05	36.5	11	0.91
92	Hilton Head Isl	37.7	6	0.12	3.7	120	1.97	58.5	23	1.15	22.7	12	0.99
92	Hilton Head Isl	36.32	U5	0.00	U1	228	3.77	63.68	80.0	3.99	56.80	8.8	0.72
92	Hilton Head Isl	32.21	22	0.46	6.74	251	4.15	61.05	92.0	4.59	63.01	7.6	0.63
93	Bluffton	30.2	U10	0.00	U1	168	2.75	69.8	46	2.30	49	18	1.48
93	Bluffton	32.7	U10	0.00	U1	159	2.61	67.3	54	2.69	50.2	22	1.81
93	Bluffton	46.94	7	0.15	2.88	154	2.55	50.19	45.0	2.25	41.82	18	1.48
93	Bluffton	49.32	9	0.19	3.48	154	2.55	47.20	46.0	2.30	40.73	18	1.48
94	Walterboro (29)	3.8	U10	0.00	U1	184	3.02	96.2	2	0.10	2.6	0.69	0.06
94	Walterboro (29)	3.7	U10	0.00	U1	201	3.30	96.3	2.5	0.12	3.3	1.1	0.09
94	Walterboro (29)	2.77	82	1.71	34.26	190	3.14	62.97	2.6	0.13	3.02	1.3	0.11
94	Walterboro (29)	4.05	9	0.19	5.38	191	3.16	90.57	2.4	0.12	3.04	1.2	0.10
95	Edisto Beach (4	68.5	65	1.35	4.4	510	8.36	27.1	9.8	0.49	1.7	13	1.07
95	Edisto Beach (4	64.8	85	1.77	7.2	422	6.92	28	4	0.2	1	5.2	0.43
95	Edisto Beach (4	82.89	U5	0.00	U1	458	7.57	17.11	11.0	0.55	1.52	18	1.48
96	Lieber Correctic	U1	U10	0.00	U1	152	2.49	99	18	0.90	40.1	5.7	0.47
96	Lieber Correctic	5.80	U5	0.00	U1	159	2.61	94.2	19	0.95	27.9	6.5	0.54
97	Hardeeville	10.7	U10	0.00	U1	107	1.75	89.3	21	1.05	42.2	8.6	0.71
97	Hardeeville	5.3	U10	0.00	U1	108	1.77	94.7	18	0.90	40.1	8.4	0.69
97	Hardeeville	5.73	U5	0.00	U1	101	1.67	94.27	18.0	0.90	37.25	9	0.74
97	Hardeeville	5.21	7	0.15	7.28	106	1.75	87.50	17.0	0.85	37.12	8.6	0.71
98	Ridgeland	5.4	U10	0.00	U1	150	2.46	94.6	43	2.15	66.8	6.2	0.51
98	Ridgeland	5.3	U10	0.00	U1	154	2.53	94.7	44	2.20	67	6.8	0.56
98	Ridgeland	6.14	U5	0.00	U1	141	2.33	93.86	42.0	2.10	64.75	6.9	0.57
98	Ridgeland	5.92	5	0.10	3.97	143	2.36	90.11	40.0	2.00	66.65	5.7	0.47
99	Grays	4.2	U10	0.00	U1	138	2.26	95.8	41	2.05	73.9	4.4	0.36
99	Grays	4.8	U10	0.00	U1	136	2.23	95.3	41	2.05	72.7	4.2	0.35
99	Grays	4.69	11	0.23	9.52	125	2.07	85.80	41.0	2.05	70.73	4.5	0.37
99	Grays	4.98	6	0.13	5.38	126	2.08	89.64	39.0	1.95	73.21	3.7	0.30
100	Cope	4.6	U10	0.00	U1	72	1.18	95.4	25	1.25	78.2	2.9	0.24
100	Cope	U1	11	0.23	14.6	81	1.33	84.7	26	1.30	69.5	3.1	0.26
100	Cope	3.08	7	0.15	9.96	77	1.27	86.95	26.0	1.30	69.68	3	0.25

## Appendix D

WELL #	LOCATION	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm	CA_epm	CA_% +	MG_ppm	MG_epm
101	Orng Fish Hatch	5.03	U10	0.00	U1	92	1.51	95	35	1.75	81.4	2.2	0.18
101	Orng Fish Hatch	9	U10	0.00	U1	104	1.71	91	42	2.10	84.5	2.4	0.20
101	Orng Fish Hatch	9.36	U5	0.00	U1	81	1.34	90.64	40.0	2.00	79.21	2.6	0.21
102	Blackville	77.8	U10	0.00	U1	102	0.02	22.2	44	2.20	90.9	1.3	0.11
102	Blackville	3.6	U10	0.00	U1	114	1.87	96.4	43	2.15	92.4	1.2	0.10
102	Blackville	4.05	U5	0.00	U1	105	1.74	95.95	43.0	2.15	91.05	1.3	0.11
103	Lex-Oak Grove	63.2	U10	0.00	U1	2.0	0.03	36.8	0.27	0.01	13.3	0.33	0.03
103	Lex-Oak Grove	54.5	12	0.25	6.81	71	1.42	38.7	0.33	0.02	U1	0.39	0.03
103	Lex-Oak Grove	5.3	U5	0.00	U1	105	1.7	94.7	0.44	0.02	U1	0.5	0.04
104	North	68.2	U10	0.00	U1	2.0	0.03	31.8	0.60	0.03	19.2	0.37	0.03
104	North	99	U10	0.00	U1	U1	0	U1	0.62	0.03	18.8	0.41	0.03
104	North	70.50		0.00	U1	2	0.03	29.50	0.8	0.04	18.45	0.56	0.05
105	Pickney Estates	20.2	U10	0.00	U1	17	0.28	79.8	6.1	0.30	67.8	0.81	0.07
105	Pickney Estates	12.5	11	0.23	35.9	20	0.33	51.6	7.6	0.38	62.3	0.84	0.07
106	Hamilton Branc	14.1	U10	0.00	U1	52	0.85	85.9	6.5	0.03	25.9	4.9	0.40
106	Hamilton Branc	13.1	U5	0	U1	54	0.89	86.9	6.2	0.31	24.9	4.7	0.39
107	N.W. Edgefield	20.8	U10	0.00	U1	24	0.38	79.2	3.1	0.15	23.1	0.20	0.02
108	Caesar's Head	2.61	12	0.24	3.69	373	6.11	93.7	1.5	0.07	U1	0.41	0.03
108	Caesar's Head	12.9	U5	0	U1	15	0.25	87	3	0.149	41.5	1.2	0.1
109	Spartanburg	9	U10	0.00	U1	91	1.49	91	19	0.95	47.7	3.7	0.30
109	Spartanburg	8.2	16	0.33	17.5	86	1.41	74.3	20	0.99	46.4	3.9	0.32
110	Chester State P	11.1	38	0.79	17.6	195	3.20	71.3	67	3.34	55.6	19	1.56
110	Chester State P	9.88	50	1.04	20.3	219	3.59	69.85	57	2.84	61.1	19	1.56
111	White Bluff Baj	25.5	U10	0.00	U1	23	0.38	74.5	2.6	0.13	25.5	0.71	0.06
111	White Bluff Baj	24.8	U5	0	U1	23	0.38	75.2	2.5	0.125	23.1	0.68	0.06
112	Westside Estate	5.17	U10	0.00	U1	64	1.10	94.8	14	0.70	52.2	1.7	0.14
112	Westside Estate	5.19	8	0.166	13.9	59	0.97	80.9	13	0.65	50.5	1.6	0.13
113	Amick Poultry	15.7	15	0.23	20	45	0.74	64.4	1.7	0.08	9.6	6.20	0.51
113	Amick Poultry	10.9	50	1.041	45.8	60	0.98	43.3	20	0.99	43.7	9	0.74
114	WSBH Radio	5.7	U10	0.00	U1	122	2.00	94.3	39	1.95	76.5	3.2	0.26
114	WSBH Radio	5.6	5	0.104	4.6	124	2.03	89.8	37	1.85	75.5	2.9	0.24
114	WSBH Radio	5.44	6	0.13	5.74	117	1.93	88.82	39.0	1.95	78.40	2.4	0.20
115	McCormick	8.77	150	3.13	59.26	102	1.69	31.97	81.0	4.04	76.37	7.8	0.64

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
01	Bamberg	17.7	1.1	0.05	U1	0.00	18.1	0.30	U.005	U.05	U.01	2.6	U.05
01	Bamberg	12	1.2	0.05	6	0.15	48.7	U0.1	U.005	0.08	U.01	1.3	U.05
01	Bamberg	10.86	1.1	0.05	7	0.18	43.36	0.14	U.005	0.08	U.01	1.7	U.05
01	Bamberg	10.48	1.2	0.05	6	0.15	40.90	U.1	U.005	0.08	U.01	2.1	U.05
02	Williston	6	1.4	0.06	U1	0.00	8.1	0.20	U.005	U.05	U.01	0.29	U.05
02	Williston	7	1.4	0.06	U1	0.00	8.4	0.14	U.005	U.05	U.01	U.02	U.05
02	Williston	4.64	8	0.35	U1	0.00	35.04	0.13	U.005	U.05	U.01	1	U.05
03	Elloree	6.7	14	0.61	U1	0.00	54	0.30	U.005	U.05	U.01	0.09	U.05
03	Elloree	6.2	13	0.57	7	0.18	68.5	0.15	U.005	U.05	U.01	0.08	U.05
03	Elloree	6.35	13	0.57	8	0.20	59.39	na	U.005	U.05	U.01	0.06	U.05
04	Bowman	U1	32	1.39	U1	0.00	94.3	0.20	U.005	U.05	U.05	U.02	U.05
04	Bowman	U1	31	1.35	2	0.05	94.6	0.16	U.005	U.05	U.05	U.02	U.05
04	Bowman	0.00	31	1.35	1	0.03	94.51	na	U.005	U.05	0.04	0.08	U.05
05	Lake View #1	U1	33	1.44	U1	0.00	97.8	0.40	U.005	U.05	U.01	0.42	U.05
06	Latta #1	15.9	23	1.00	U1	0.00	74.4	0.20	U.005	0.10	U.01	0.94	U.05
06	Latta #1	14.4	25	1.10	6	0.15	78.1	0.16	U.005	0.10	0.01	0.86	U.05
07	Johnsonville	U1	86	3.74	U1	0.00	97.9	1.68	U.005	U.05	U.01	U.02	U.05
07	Johnsonville	U1	87	3.78	4	0.10	97	1.39	U.005	U.05	U.01	U.02	0.08
08	McLeod Med C	16.4	4.2	0.18	U1	0.00	17.3	0.46	U.005	0.05	U.01	5.80	U.05
08	McLeod Med C	15.6	3.7	0.16	2	0.05	21.9	0.34	U.005	U.05	U.01	4.60	U.05
09	Olanta	18.9	3.5	0.15	14	0.36	39.2	0.10	U.005	U.05	U.01	0.24	U.05
09	Olanta	18.9	3.7	0.16	14	0.36	39.4	U0.1	U.005	U.05	U.01	0.25	U.05
10	Pamplico #1	1.8	36	1.57	U1	0.00	92.6	0.66	U.005	U.05	0.06	0.21	U.05
10	Pamplico #1	1.7	35	1.52	5	0.13	94.3	0.49	U.005	U.05	0.02	0.08	U.05
11	Andrews #2	U1	140	6.09	U1	0.00	98.8	1.80	U.005	U.05	U.01	U.02	U.05
11	Andrews #2	2.9	150	6.53	3	0.08	98.2	1.52	U.005	U.05	U.01	U.02	U.05
12	Georgetown #2	U1	220	9.57	U1	0.00	98.5	0.98	U.005	U.05	U.01	U.02	U.05
12	Georgetown #2	3.7	240	10.4	5	0.13	98.7	0.9	U.005	U.05	U.01	0.03	U.05
13	Conway #6	U1	280	12.2	U1	0.00	98.7	3.40	U.005	U.05	U.01	0.14	U.05
13	Conway #6	4.1	37	1.61	3	0.08	76.4	1	U.005	U.05	U.01	0.26	0.10
14	Surfside-Poplar	U1	240	10.4	U1	0.00	98.8	1.80	U.005	U.05	U.01	0.01	U.05
14	Surfside-Poplar	U1	230	10.0	3	0.08	98.8	3.1	U.005	U.05	U.01	0.02	U.05
15	Myrtlewood	5.3	23	1.00	U1	0.00	43.1	1.06	U.005	U.05	0.01	0.60	U.05
15	Myrtlewood	3.1	140	6.09	4	0.10	80.2	1.54	U.005	U.05	U.01	1.40	U.05
16	Longs #2	1.1	340	14.8	9	0.23	97.7	3.80	U.005	U.05	U.01	0.01	U.05
16	Longs #2	1.4	460	20.0	12	0.31	97.1	1.83	U.005	U.05	U.01	U.02	U.05
17	Mullins-Gapwa	2.1	51	2.22	U1	0.00	94.9	0.66	U.005	U.05	U.01	0.22	U.05
17	Mullins-Gapwa	1.9	55	2.40	5	0.13	95.5	0.65	U.005	U.05	U.01	0.06	U.05
18	Oakland Plantat	20.7	1.9	0.08	U1	0.00	59.5	U0.1	U.005	0.05	U.01	0.85	U.05
18	Oakland Plantat	18.8	1.8	0.08	1	0.03	68.8	0.10	U.005	U.05	0.02	0.26	U.05

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm	
19	Watson Correct	17.3	3.6	0.16	U1	0.00	61.2	U0.1	U.005	0.07	0.01	0.02	U.05	
19	Watson Correct	15.4	2	0.09	U1	0.00	69.2	0.11	U.005	U.05	0.02	0.02	U.05	
20	Kingstree RT 3' U1	88	3.83	U1	0.00	97	2.10	U.005	U.05	U.01	U.02	U.05		
20	Kingstree RT 3' U1	86	3.74	3	0.08	96.9	1.37	U.005	U.05	U.01	0.03	U.05		
21	St. Stephens	U1	130	5.65	U1	0.00	98.6	1.52	U.005	U.05	U.01	U.02	U.05	
21	St. Stephens	U1	140	6.09	1	0.03	98.7	1.25	U.005	U.05	U.01	0.04	U.05	
22	Summerville #5 U1	250	10.9	U1	0.00	99.6	2.80	U.005	U.05	U.01	U.02	U.05		
22	Summerville #5 U1	250	10.9	2	0.05	99.5	4.0	U.005	U.05	U.01	U.02	U.05		
23	Cainhoy High S	22.5	71	3.09	14	0.36	62.9	1.02	U.005	U.05	U.01	0.02	U.05	
23	Cainhoy High S	23.8	70	3.05	15	0.38	61.8	0.94	U.005	U.05	U.01	0.08	U.05	
24	Santee Cooper	24.5	72	3.13	17	0.44	59.0	0.98	U.005	U.05	U.01	0.03	U.05	
24	Santee Cooper	25.8	75	3.26	17	0.44	57.8	0.70	U.005	U.05	U.01	0.03	U.05	
25	St. Matthews	4.8	7.7	0.33	U1	0.00	21.5	3	U.005	U.05	U.01	U.02	U.05	
25	St. Matthews	5.4	3.6	0.16	1	0.03	12.9	U0.1	U.005	U.05	U.01	U.02	U.05	
25	St. Matthews	5.32	3.1	0.13	2	0.05	13.20	na	U.005	U.05	U.01	U.02	U.05	
26	Wagener	14.3	1.1	0.05	U1	0.00	47.6	na	U.005	na	na	0.03	na	
26	Wagener	16.7	1.1	0.05	U1	0.00	60.6	U0.1	U.005	U.05	U.01	U.02	U.05	
27	North Augusta	23.8	2.2	0.10	U1	0.00	50.4	U0.1	U.005	U.05	U.01	0.09	U.05	
28	Montmorenci-C	21.4	1.6	0.07	U1	0.00	50	na	U.005	na	0.01	0.02	na	
28	Montmorenci-C	18.5	1.7	0.07	U1	0.00	55.6	U0.1	U.005	U.05	U.01	0.55	U.05	
28	Montmorenci-C	21.38	1.4	0.06	U1	0.00	52.70	U0.1	U.005	U.05	U.01	U.02	U.05	
29	Parris Island	U1	4	0.17	480	12.3	99.1	6.5	U.005	U.05	U.01	0.60	U.05	
29	Parris Island	U1	500	21.8	U1	0.00	99.5	3.90	U.005	U.05	U.01	0.11	U.05	
29	Parris Island	U1	450	19.57	450	11.51	99.81	na	U.005	U.05	U.01	0.14	U.05	
29	Parris Island	0.08	440	19.13	4	0.10	99.78	NA	U.005	U.05	U.01	0.1	U.05	
30	Patrick #1	18.4	U1	0.04	U1	0.00	63.6	U0.1	U.005	U.05	0.02	0.01	U.05	
30	Patrick #1	16.6	U1	0.04	U1	0.00	66.6	U0.1	U.005	U.05	U.01	U.02	U.05	
31	Walterboro (50) U1	74	3.22	U1	0.00	99.1	0.80	U.005	U.05	U.01	U.02	U.05		
31	Walterboro (50) 1.9	89	3.87	8	0.20	95.3	1.04	U.005	U.05	U.01	U.02	U.05		
31	Walterboro (50) 2.27	82	3.57	8	0.20	94.72	1.01	U.005	U.05	U.01	U.02	U.05		
32	Main Street	22.7	1.6	0.07	U1	0.00	52	U0.1	U.005	U.05	U.01	0.81	U.05	
32	Main Street	23.1	1.5	0.07	U1	0.00	53.8	U0.1	U.005	U.05	U.01	0.70	U.05	
33	Hartsville #4	11.4	1	0.04	U1	0.00	43.1	U0.1	U.005	U.05	0.01	U.02	U.05	
33	Hartsville #4	3.5	1.5	0.07	U1	0.00	12.3	U0.1	U.005	U.05	U.01	U.02	U.05	
34	Timmonsville # 31.2	2.4	0.10	U1	0.00	41.2	U0.1	U.005	0.06	U.01	1.80	U.05		
34	Timmonsville # 25	2.5	0.11	3	0.08	52.8	U0.1	U.005	0.06	0.01	2.4	U.05		
35	S. Ballard Stree 4.1	51	2.22	6	0.15	90.8	0.28	U.005	0.05	U.01	0.41	U.05		
35	S. Ballard Stree 10.8	19	0.83	5	0.13	60.8	0.11	U.005	U.05	U.01	0.03	U.05		
36	Elgin	28.8	U1	0.04	U1	0.00	50.3	U0.1	U.005	U.05	U.01	0.01	U.05	
36	Elgin	23.1	1.9	0.08	U1	U1	61.5	0.11	U.005	U.05	U.01	0.13	U.05	

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
37	Bethune	47	1.4	0.06	U1	0.00	12.9	U0.1	U.005	0.09	U.01	0.01	U.05
37	Bethune	32	2.4	0.10	U1	0.00	40	0.10	U.005	U.05	U.01	U.02	U.05
38	Camden	27.8	3.1	0.13	U1	0.00	47.5	U0.1	U.005	U.05	0.01	0.24	U.05
38	Camden	14.3	3.4	0.15	U1	0.00	71.4	0.12	U.005	U.05	0.02	0.38	U.05
39	Bishopville #4	8.9	1.9	0.08	U1	0.00	42.4	0.30	U.005	U.05	0.02	0.01	U.05
39	Bishopville #4	20	1.3	0.06	U1	0.00	60	0.12	U.005	U.05	0.04	U.02	U.01
40	Swansea	U1	U1	0.00	18	0.46	8.7	na	U.005	na	0.01	0.06	na
40	Swansea	21.4	1.1	0.05	U1	0.00	62.3	na	U.005	na	U.01	0.11	U.05
40	Swansea	17.2	1.5	0.07	U1	0.00	68.3	U0.1	U.005	U.05	U.01	U.02	U.05
41	Summit	U1	2.1	0.09	U1	0.00	45	U0.1	U.005	na	0.02	0.02	na
41	Summit	28.8	2.2	0.10	U1	0.00	55.8	U0.1	U.005	U.05	U.01	U.02	0.06
41	Summit	38.6	2.3	0.10	U1	0.00	42.7	U0.1	U.005	U.05	0.01	U.02	U.05
42	Hidden Valley	20.2	1	0.04	U1	0.00	53.4	U0.1	U.005	na	U.01	0.06	U.05
42	Hidden Valley	7.7	1	0.04	U1	0.00	16.9	na	U.005	U.05	U.01	0.03	na
42	Hidden Valley	21.4	1.3	0.06	U1	0.00	58.9	U0.1	U.005	U.05	U.01	U.02	U.05
43	Clio	11.8	3.7	0.16	U1	0.00	56.6	U0.1	U.005	U.05	0.01	0.35	U.05
43	Clio	9.5	5.2	0.23	2	0.05	66.6	U0.1	U.005	U.05	U.01	0.40	U.05
44	Orng Fish Hatchl	18.3	2.2	0.10	U1	0.00	38	U0.1	U.005	U.05	U.05	0.98	U.05
44	Orng Fish Hatchl	12.1	2.2	0.10	6	0.15	61	U0.1	U.005	0.08	U.05	1.2	U.05
44	Orng Fish Hatchl	12.32	2.2	0.10	8	0.20	59.16	na	U.005	0.09	U.01	1.5	U.05
45	Fort Jackson	22.3	1.1	0.05	U1	0.00	54	U0.1	U.005	na	0.09	0.15	U.05
45	Fort Jackson	21.1	U1	0.04	U1	0.00	55.3	U0.1	U.005	U.05	0.03	0.09	U.05
45	Fort Jackson	22.5	1	0.00	U1	0.04	54	U0.1	U.005	U.05	U.01	0.17	U.05
46	Spring Valley	16	2.8	0.12	U1	0.00	74.1	0.10	U.005	na	0.01	na	na
46	Spring Valley	14.7	3.4	0.15	U1	0.00	75.8	U0.1	U.005	na	U.01	U.02	U.05
46	Spring Valley	15.5	4.1	0.18	U1	0.00	74.5	U0.1	U.005	U.05	U.01	U.02	U.05
47	Hopkins	21.3	U1	0.04	U1	0.00	59	U0.1	U.005	na	U.01	U.02	U.05
47	Hopkins	18.8	U1	0.04	U1	0.00	62.5	U0.1	U.005	na	0.01	U.02	U.05
47	Hopkins	19.3	U1	0.04	U1	0.00	59.5	U0.1	U.005	U.05	U.01	U.02	U.05
48	North of Eastov	30.3	1.1	0.05	2	0.05	60.6	0.15	U.005	0.05	na	1.9	na
48	North of Eastov	39.3	1.3	0.06	U1	0.00	47.4	0.10	U.005	na	U.01	1.8	U.05
49	Sumter Plant 1-	29.2	2	0.09	U1	0.00	48.3	U0.1	U.005	0.07	U.01	3.20	U.05
49	Sumter Plant 1-	23.1	2.1	0.09	2	0.05	53.8	0.16	U.005	0.07	U.01	3.30	U.05
50	Hemingway	U1	160	6.96	U1	0.00	99.1	1.88	U.005	U.05	U.01	0.06	U.05
50	Hemingway	U1	170	7.40	1	0.03	99.1	1.46	U.005	U.05	U.01	U.02	U.05
51	Allendale	8.2	12	0.52	U1	0.00	51.8	0.30	U.005	U.05	U.01	1.1	U.05
51	Allendale	8.36	10	0.43	6	0.15	54.32	0.25	U.005	0.06	U.01	0.56	U.05
53	Moncks Corner	1.2	350	15.2	8	0.21	97.4	1.76	U.005	U.05	U.01	U.02	U.05
53	Moncks Corner	32.7	36	1.57	11	0.28	36.6	0.84	U.005	U.05	U.01	U.02	U.05
54	Abbeville	13.7	6.3	0.27	U1	0.00	38	0.14	U.005	U.05	U.01	U.02	U.05

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
54	Abbeville	13	5.7	0.25	U1	0.00	39	U0.1	U.005	U.05	U.01	U.02	U.01
54	Abbeville (deep)	12.49	6.3	0.27	2	0.05	44.84	U.1	U.005	U.05	U.01	U.02	U.05
55	Starr	27.9	2.3	0.10	1.3	0.03	21.2	U0.1	U.005	U.05	0.04	0.06	U.05
55	Starr	26.4	2.2	0.1	1.1	0.03	27.7	U0.1	U.005	U.05	0.02	0.06	U.05
55	Starr	29.77	6.5	0.28	2	0.05	31.77	U.1	U.005	0.07	0.02	1.8	U.05
56	Blacksburg	37.6	1.1	0.05	2.7	0.07	7.8	0.18	U.005	U.05	U.01	0.01	U.05
56	Blacksburg	34.4	1.2	0.52	2.2	0.06	16.9	U0.1	U.005	U.05	U.01	0.02	U.05
57	Jenkinsville #1123.2	16	0.70	U1	0.00	44.7	0.20	U.005	U.05	U.05	0.14	U.05	
57	Jenkinsville #1112	9.7	0.42	U1	0.00	55.7	0.17	U.005	U.05	0.01	U.02	U.05	
57	Jenkinsville #1111.6	11	0.48	U1	0.02	59.1	0.14	U.005	U.05	U.01	0.06	U.05	
58	Ridgeway	32.3	11	0.48	U1	0.00	18.8	U0.1	U.005	U.05	U.01	U.02	U.05
58	Ridgeway	30	8.6	0.37	3.1	0.08	27.6	0.15	U.005	U.05	U.01	U.02	U.05
58	Ridgeway	18.2	7	0.31	U1	0.00	39.6	0.12	U.005	U.05	U.01	0.03	U.05
59	Lake Wateree S	18.5	6.7	0.29	U1	0.00	35.8	0.28	U.005	U.05	U.01	U.02	U.05
59	Lake Wateree S	16.6	8.3	0.36	U1	0.00	26	0.50	U.005	U.05	U.01	U.02	U.05
59	Lake Wateree S	30.8	9.1	0.40	3	0.08	12.5	0.21	U.005	U.05	U.01	U.02	U.05
60	Jenkinsville #4	5.5	7.2	0.31	1.5	0.04	7.7	0.43	U.005	U.05	U.01	U.02	U.05
60	Jenkinsville #4	23.8	7.7	0.33	U1	0.00	31.3	0.50	U.005	U.05	U.01	U.02	U.05
60	Jenkinsville #4	22.9	7.7	0.34	2	0.05	43.1	0.27	U.005	U.05	U.01	0.24	U.05
61	Mauldin	6.8	5.5	0.24	1.2	0.03	58.1	U0.1	U.005	U.05	0.08	1.20	U.05
62	Fork Shoals	8.3	4.7	0.20	1.5	0.04	33.9	0.20	U.005	U.05	U.01	0.02	U.05
62	Fork Shoals	5.7	4.9	0.21	2	0.05	36.5	U0.1	U.005	U.05	U.01	U.02	U.05
63	Gilbert	14.2	12	0.52	2	0.05	50.4	0.56	U.005	U.05	U.01	U.02	U.05
63	Gilbert	13.5	13	0.57	U1	0.00	51.5	0.60	U.005	U.05	U.01	U.02	U.05
63	Gilbert	12.4	13	0.57	3	0.08	53.8	0.57	U.005	U.05	U.01	U.02	U.05
64	Little Mountain U1	1.2	0.03	3.1	0.10	8.7	na	U.005	U.05	U.01	U.02	U.05	
64	Little Mountain 28.8	10	0.44	U1	0.00	33.2	U0.1	U.005	U.05	U.01	U.02	U.05	
64	Little Mountain 29.5	9.7	0.42	1	0.03	28.9	U0.1	U.005	U.05	U.01	U.02	U.05	
65	East Cntrl Newl 15.1	7.7	0.33	1.6	0.04	29.4	0.22	U.005	na	0.02	na	na	
65	East Cntrl Newl 14	8.4	0.37	U1	0.00	28.2	0.20	U.005	U.05	U.01	U.02	U.05	
65	East Cntrl Newl 13.9	8.4	0.37	2	0.05	32.2	0.17	U.005	U.05	U.01	U.02	U.05	
66	Newberry	22	9.1	0.40	U1	0.00	39.3	0.20	U.005	U.05	U.01	U.02	U.05
67	Whitmire	28.6	11	0.48	5.6	0.14	29.2	0.30	U.005	U.05	0.02	0.23	U.05
67	Whitmire	32.4	12	0.52	U1	0.00	27.8	0.30	U.005	U.05	U.01	0.90	U.05
67	Whitmire	26.2	13	0.57	6	0.15	25.7	0.33	U.005	U.05	U.01	0.15	U.05
68	Chappells	38.5	8.6	0.37	U6	0.00	20.3	0.02	U.005	na	na	0.45	na
68	Chappells	35.7	8.8	0.38	U1	0.00	22.8	0.10	U.005	na	U.01	0.11	U.05
68	Chappells	36.8	9.6	0.42	U1	0.00	21.7	0.1	U.005	U.05	U.01	0.85	U.05
69	Newberry	15.1	12	0.52	5.6	0.14	48.1	U0.1	U.005	0.32	U.01	0.02	U.05
69	Newberry	14	14	0.61	6	0.15	48.2	U0.1	U.005	0.34	U.01	0.03	U.05

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
70	Mountain Rest	24.7	3.7	0.16	1.3	0.03	56.2	U0.1	U.005	U.05	0.09	0.01	U.05
70	Mountain Rest	26.2	2.8	0.12	U1	0.00	57	U0.1	U.005	U.05	0.02	U.02	U.05
70	Mountain Rest	26.95	2.6	0.11	U1	0.00	56.96	U.1	U.005	U.05	0.01	0.02	U.05
71	Pickens	3.8	1.3	0.06	1.4	0.04	15.5	U0.1	U.005	U.05	U.01	0.07	U.05
71	Pickens	6.3	1	0.04	U1	U0.1	25.8	U0.1	U.005	U.05	U.01	U.02	U.05
72	Ballentine	13	8.5	0.37	U1	0.00	17.7	U0.1	U.005	na	0.12	0.05	U.05
72	Ballentine	23.1	9.2	0.40	U1	0.00	35.4	na	U.005	na	0.13	0.02	na
73	Union	8.4	4.4	0.19	1.8	0.05	29.2	0.12	U.005	U.05	U.01	0.22	U.05
73	Union	10.3	4.6	0.20	2	0.05	42.1	U0.1	U.005	U.05	U.01	U.02	U.05
74	Guthries	22.3	4.8	0.21	1	0.03	18.9	0.12	U.005	U.05	U.01	U.02	U.05
74	Guthries	24.7	4.4	0.191	1.5	0.04	24.6	U0.1	U.005	U.05	U.01	0.18	U.05
75	Abbeville	5.1	4.9	0.21	8.9	0.23	26.5	U0.1	U.005	U.05	0.01	0.01	U.05
75	Abbeville	6.8	2.9	0.13	2	0.05	35.8	U0.1	U.005	U.05	U.01	0.27	U.05
75	Abbeville (shall 9.19)	4	0.17	2	0.05	49.28	U.1	U.005	U.05	0.01	0.37	U.05	
76	Starr	U1	35	1.52	5	0.13	75.1	0.1	U.005	U.05	0.01	0.15	U.05
76	Starr	35.2	3.2	0.14	1.7	0.44	19	U0.1	U.005	U.05	U.01	0.23	U.05
76	Starr (deep)	20.78	7.3	0.32	2	0.05	27.36	0.14	U.005	U.05	U.01	0.04	U.05
77	Blacksburg	25.7	2.4	0.10	2.5	0.06	11.2	U0.1	U.005	U.05	0.01	0.14	U.05
78	Mauldin	18.6	3	0.13	1.5	0.04	43.3	U0.1	U.005	U.05	U.01	0.01	U.05
79	Fork Shoals	27.1	11	0.48	5.9	0.15	26.3	1.20	U.005	0.08	U.01	7.2	U.05
79	Fork Shoals	14	12	0.52	2	0.51	32.4	1.49	U.005	U.05	U.01	0.03	U.05
80	Newberry	32.1	6.6	0.29	1.7	0.04	29.5	0.14	U.005	0.06	0.03	0.02	U.05
80	Newberry	30.8	6.3	0.27	1	0.025	31.3	0.12	U.005	0.06	U.01	U.02	U.05
81	Mountain Rest	25.3	3	0.13	U1	0.00	56.5	U0.1	U.005	U.05	0.01	U.02	U.05
81	Mountain Rest	27.6	2.8	0.12	U1	U1	54.5	U0.1	U.005	U.05	0.01	U.02	U.05
81	Mountain Rest	27.16	2.6	0.11	1	0.03	55.78	U.1	U.005	U.05	U.01	U.02	U.05
82	Pickens	8.8	3.4	0.15	U1	0.00	49.5	U0.1	U.005	U.05	0.01	U.02	U.05
82	Pickens	9.4	3.4	0.15	1	0.03	49.4	U0.1	U.005	U.05	U.01	U.02	U.05
83	Union	17.3	12	0.52	2.3	0.06	42.3	0.12	U.005	U.05	0.03	0.70	U.05
83	Union	15.2	9.4	0.41	1.7	0.04	46.4	U0.1	U.005	U.05	0.04	0.47	U.05
84	McClellanville	13.4	16	0.70	U1	0.00	14.2	U0.1	U.005	U.05	U.01	0.67	U.05
85	Edisto Beach (1 10.8)	142	6.18	U1	0.00	40.6	1.10	U.005	U.05	U.05	23		U.05
86	Bennetts Point	1.9	290	12.6	10	0.26	97.2	2.90	U.005	U.05	U.01	U.02	U.05
86	Bennetts Point	15.4	980	42.6	22	0.56	83.5	2.6	U.005	U.05	U.01	0.12	U.05
86	Bennetts Point	2.31	380	16.52	15	0.38	96.64	0.72	U.005	U.05	U.01	U.02	U.05
86	Bennetts Point	2.26	420	18.26	14	0.36	96.55	3.15	U.005	U.05	U.01	U.02	U.05
87	North Santee	10.6	28	1.22	U1	0.00	22.4	0.28	U.005	U.05	U.01	0.10	U.05
88	Socastee	6	15	0.65	U1	0.00	61.8	U0.1	U.005	U.05	U.01	7.40	U.05
88	Socastee	39.6	14	0.61	1	0.03	39	U0.1	U.005	U.05	U.01	4.60	0.11
89	Fairfax	15	25	1.09	U1	0.00	56.5	0.50	U.005	U.05	U.01	U.02	U.05

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
89	Fairfax	13.3	26	1.13	6	0.15	60.7	0.38	U.005	U.05	U.01	U.02	U.05
89	Fairfax	16.41	23	1.00	6	0.15	53.50	0.37	U.005	U.05	U.01	U.02	U.05
90	Frogmore	13	20	0.87	U1	0.00	26.4	0.20	U.005	U.05	U.05	U.02	U.05
90	Frogmore	11.97	19	0.83	4	0.10	29.99	0.29	U.005	U.05	U.01	U.02	U.05
91	Sheldon	26.2	20	0.87	8	0.20	35.5	0.26	U.005	U.05	U.01	U.02	U.05
91	Sheldon	26.2	21	0.91	10	0.26	37.3	0.30	U.005	U.05	U.01	U.02	U.05
91	Sheldon	27.84	19	0.83	8.2	0.21	35.03	0.31	U.005	U.05	U.01	U.02	U.05
91	Sheldon	25.34	18	0.78	7	0.18	34.04	0.3	U.005	U.05	U.01	U.02	U.05
92	Hilton Head Isl:	16.2	59	2.57	3	0.08	47.2	0.39	U.005	U.05	U.01	0.44	U.05
92	Hilton Head Isl:	19.5	67	2.91	U1	0.00	57.7	0.60	U.005	U.05	U.01	0.14	U.05
92	Hilton Head Isl:	10.31	52	2.26	2	0.05	32.90	0.22	U.005	U.05	U.01	2.4	U.05
92	Hilton Head Isl:	8.59	47	2.04	1	0.03	28.40	NA	U.005	U.05	0.01	5	U.05
93	Bluffton	31.6	19	0.83	3	0.08	19.4	0.3	U.005	U.05	U.01	U.02	U.05
93	Bluffton	33.7	20	0.87	U1	0.00	16.2	0.40	U.005	U.05	U.01	U.02	U.05
93	Bluffton	4.13	36	1.57	3	0.08	30.58	0.29	U.005	U.05	U.01	U.02	U.05
93	Bluffton	26.28	41	1.78	3	0.08	32.99	NA	U.005	U.05	U.01	U.02	U.05
94	Walterboro (29)	1.6	82	3.57	5	0.13	95.9	0.84	U.005	U.05	0.04	0.09	U.05
94	Walterboro (29)	2.4	82	3.57	U1	0.00	94.3	1.40	U.005	U.05	U.01	U.02	U.05
94	Walterboro (29)	0.11	88	3.83	9	0.23	94.49	1.12	U.005	U.05	U.01	U.02	U.05
94	Walterboro (29)	2.50	81	3.52	8	0.20	94.46	1.09	U.005	U.05	U.01	U.02	U.05
95	Edisto Beach (43.7	617	26.8	20	0.51	94.6	1.40	U.005	U.05	U.01	0.60	U.05	
95	Edisto Beach (42.2	420	18.3	14	0.36	96.8	2.9	U.005	U.05	U.01	U.02	U.05	
95	Edisto Beach (41.14	770	33.48	25	0.64	94.38	2.43	U.005	U.05	U.01	0.1	U.05	
96	Lieber Correctic	14.6	38	1.65	7	0.18	57.3	0.28	U.005	U.05	U.01	0.01	U.05
96	Lieber Correctic	15.8	40	1.74	7	0.18	56.3	0.28	U.005	U.05	U.01	U.02	U.05
97	Hardeeville	28.5	15	0.65	3	0.08	29.3	0.41	U.005	U.05	U.01	U.02	U.05
97	Hardeeville	30.8	15	0.65	U1	0.00	29.1	0.70	U.005	U.05	U.01	U.02	U.05
97	Hardeeville	2.16	16	0.70	3	0.08	32.03	0.46	U.005	U.05	U.01	U.02	U.05
97	Hardeeville	30.98	15	0.65	3	0.08	31.90	NA	U.005	U.05	U.01	U.02	U.05
98	Ridgeland	15.8	11	0.48	3	0.08	17.4	0.19	U.005	U.05	U.01	U.02	U.05
98	Ridgeland	17.1	12	0.52	U1	0.00	15.9	0.20	U.005	U.05	U.01	U.02	U.05
98	Ridgeland	2.72	12	0.52	2	0.05	17.70	0.1	U.005	U.05	U.01	U.02	U.05
98	Ridgeland	15.67	11	0.48	2	0.05	17.68	0.2	U.005	U.05	U.01	U.02	U.05
99	Grays	13.1	8.3	0.36	U1	0.00	13	0.30	U.005	U.05	U.01	U.02	U.05
99	Grays	12.4	8.6	0.37	2	0.05	14.9	0.14	U.005	U.05	U.01	U.02	U.05
99	Grays	1.92	8.6	0.37	4	0.10	16.46	0.13	U.005	U.05	U.01	U.02	U.05
99	Grays	11.46	8.2	0.36	2	0.05	15.34	0.16	U.005	U.05	U.01	U.02	U.05
100	Cope	14.9	2.5	0.11	U1	0.00	6.8	0.20	U.005	U.05	U.01	1.70	U.05
100	Cope	13.9	2.6	0.11	8	0.20	16.6	0.22	U.005	U.05	U.01	1.1	U.05
100	Cope	1.32	2.6	0.11	8	0.20	17.06	0.16	U.005	U.05	40	0.98	U.05

## Appendix D

WELL #	LOCATION	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm	BA_ppm	CU_ppm	FE_ppm	PB_ppm
101	Orng Fish Hatch 8.4		2.8	0.12	7	0.10	10.2	0.16	U.005	0.16	U.01	0.75	na
101	Orng Fish Hatch 8		4.3	0.19	U1	0.00	7.5	0.10	U.005	U.05	U.01	0.38	U.05
101	Orng Fish Hatch 1.46		3.6	0.16	6	0.15	12.30	na	U.005	U.05	U.01	0.08	U.05
102	Blackville	4.5	1.8	0.08	1	0.03	4.5	0.10	U.005	U.05	U.01	0.63	U.05
102	Blackville	4.2	1.80	0.08	U1	0.00	3.4	0.10	U.005	U.05	U.01	0.60	U.05
102	Blackville	1.59	1.8	0.08	1	0.03	4.41	0.14	U.005	0.34	U.01	0.32	U.05
103	Lex-Oak Grove	26.7	1.40	0.06	U1	0.00	60	U.01	U.005	U.05	U.01	U.02	U.05
103	Lex-Oak Grove U1		67	29.2	0	0.00	99.8	0.12	U.005	U.05	U.01	U.02	U.05
103	Lex-Oak Grove 1.7		54	2.3	U1	0.00	97.4	U.01	U.005	U.05	U.01	U.02	U.05
104	North	19.5	2.20	0.10	U1	0.00	61.3	U.01	U.005	U.05	U.01	U.02	U.05
104	North	18.8	2.3	0.10	U1	0.00	62.5	U.01	U.005	U.05	0.01	U.02	U.05
104	North	0.08	3.1	0.13	U1	0.00	60.77	U.01	U.005	U.05	10	U.02	U.05
105	Pickney Estates	14.8	1.80	0.08	U1	0.00	17.4	0.10	U.005	0.06	U.01	1.20	U.05
105	Pickney Estates	11.5	1.90	0.08	3	0.08	26.2	0.19	U.005	0.06	U.01	1.00	U.05
106	Hamilton Branc	32.3	12	0.52	U1	0.00	41.9	0.16	U.005	U.05	U.01	U.02	U.05
106	Hamilton Branc	31.1	12	0.52	U1	0.00	44	0.1	U.005	U.05	U.01	U.02	U.05
107	N.W. Edgefield	3.1	11	0.48	U1	0.00	73.9	2.60	U.005	U.05	0.03	U.02	U.05
108	Caesar's Head	U1	160	6.96	U6	0.00	98.6	0.10	U.005	na	na	na	na
108	Caesar's Head	27.4	2	0.09	U1	0.03	31.2	U.01	U.005	U.05	U.01	0.21	U.05
109	Spartanburg	15.1	17	0.74	U1	0.00	37.2	0.14	U.005	U.05	0.02	0.10	U.05
109	Spartanburg	14.93	18	0.78	2	0.05	38.7	U.01	U.005	U.05	U.01	0.42	U.05
110	Chester State P:26		22	0.96	6	0.15	18.5	0.43	U.005	0.07	na	0.46	na
110	Chester State P:33.6		22	0.96	6	0.15	5.35	0.36	U.005	0.08	U.01	0.84	U.05
111	White Bluff Baj	11.8	7.4	0.32	U1	0.00	62.8	0.20	U.005	U.05	U.01	0.13	U.05
111	White Bluff Baj	10.3	7.7	0.34	1	0.03	66.6	U.01	U.005	U.05	U.01	0.15	U.05
112	Westside Estate	10.5	11	0.48	U1	0.00	35.4	1.26	U.005	U.05	U.01	0.08	U.05
112	Westside Estate	10.3	11	0.48	1	0.03	39.3	1.1	U.005	U.05	U.01	U.02	U.05
113	Amick Poultry	61.5	5.5	0.24	U1	0.00	28.9	0.14	U.005	na	na	0.013	na
113	Amick Poultry	32.4	12	0.52	1	0.03	23.9	0.08	0.006	U.05	U.01	0.021	U.05
114	WSBH Radio	10.2	7.8	0.34	U1	0.00	13.3	0.18	U.005	U.05	U.01	0.01	U.05
114	WSBH Radio	9.8	7.7	0.34	1	0.03	14.70	0.12	U.005	U.05	U.01	U.02	U.05
114	WSBH Radio	7.96	7.2	0.31	1	0.03	13.64	0.14	U.005	U.05	U.01	U.02	U.05
115	McCormick	12.13	14	0.61	U1	0.00	11.50	0.22	U.005	0.07	U.01	0.06	U.05

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
01	Bamberg	0.06	0.12	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
01	Bamberg	0.03	0.01	U.05	U.003	U.1	U.02	U.0002	0.04	U.005	U.03	U.5	U.15
01	Bamberg	0.03	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.28
01	Bamberg	0.04	0.02	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
02	Williston	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
02	Williston	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
02	Williston	U.01	0.02	U.1	0.004	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
03	Elloree	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
03	Elloree	0.01	U.01	U.05	U.003	U.1	U.02	U.0002	0.06	U.005	U.03	U.5	U.15
03	Elloree	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.23
04	Bowman	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
04	Bowman	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
04	Bowman	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
05	Lake View #1	0.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
06	Latta #1	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
06	Latta #1	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	0.07	U.005	U.03	U.5	U.15
07	Johnsonville	U.01	U.01	U.05	U.003	0.22	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
07	Johnsonville	U.01	U.01	0.06	U.003	0.22	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
08	McLeod Med C	0.10	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
08	McLeod Med C	0.08	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
09	Olanta	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
09	Olanta	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
10	Pamplico #1	U.01	0.11	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
10	Pamplico #1	U.01	0.02	U.05	U.003	0.10	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
11	Andrews #2	U.01	U.01	U.05	U.003	1.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
11	Andrews #2	U.01	U.01	U.05	U.003	1.2	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
12	Georgetown #2	U.01	U.01	U.05	U.003	0.60	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
12	Georgetown #2	U.02	U.01	U.05	U.003	0.65	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
13	Conway #6	U.01	U.01	U.05	U.003	0.28	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
13	Conway #6	0.03	0.03	0.17	U.003	0.21	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
14	Surfside-Poplar	U.01	U.01	U.05	U.003	2.20	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
14	Surfside-Poplar	U.01	U.01	U.05	U.003	2.20	U.02	U.0002	0.06	U.005	U.03	U.5	U.15
15	Myrtlewood	0.04	U.01	0.33	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
15	Myrtlewood	0.13	0.03	0.20	U.003	0.38	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
16	Longs #2	U.01	U.01	U.05	U.003	2.60	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
16	Longs #2	U.01	U.01	U.05	U.003	2.90	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
17	Mullins-Gapwa	0.01	U.01	U.05	U.003	0.17	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
17	Mullins-Gapwa	0.01	U.01	U.05	U.003	0.18	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
18	Oakland Plantat	0.02	0.01	0.09	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
18	Oakland Plantat	0.01	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
19	Watson Correct	0.01	0.03	0.19	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
19	Watson Correct	0.01	0.08	0.18	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
20	Kingstree RT 3'	U.01	U.01	U.05	U.003	0.56	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
20	Kingstree RT 3'	U.01	U.01	U.05	U.003	0.47	U.02	U.0002	0.05	U.005	U.03	U.5	U.15
21	St. Stephens	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
21	St. Stephens	U.01	U.01	U.05	U.003	1.2	U.02	U.0002	0.04	U.005	U.03	U.5	U.15
22	Summerville #5	U.01	U.01	U.05	U.003	1.9	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
22	Summerville #5	U.01	U.01	U.05	U.003	1.0	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
23	Cainhoy High S	U.01	U.01	U.05	U.003	0.18	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
23	Cainhoy High S	U.01	U.01	U.05	U.003	0.17	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
24	Santee Cooper	U.01	U.01	U.05	U.003	0.18	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
24	Santee Cooper	U.01	U.01	U.05	U.003	0.18	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
25	St. Matthews	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
25	St. Matthews	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
25	St. Matthews	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.17
26	Wagener	na	0.11	na	na	na	na	na	na	na	na	na	na
26	Wagener	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
27	North Augusta	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
28	Montmorenci-C	na	na	na	na	na	na	na	na	na	na	na	na
28	Montmorenci-C	U.05	U.01	0.11	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
28	Montmorenci-C	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
29	Parris Island	U.01	U.01	U.05	U.003	4.6	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
29	Parris Island	U.05	0.11	U.05	U.003	4.20	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
29	Parris Island	U.01	U.01	U.1	U.003	4.4	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
29	Parris Island	U.01	U.01	U.1	U.003	4.2	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
30	Patrick #1	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
30	Patrick #1	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
31	Walterboro (50)	U.05	U.01	U.05	U.003	0.41	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
31	Walterboro (50)	U.05	U.01	U.05	U.003	0.19	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
31	Walterboro (50)	U.01	U.01	U.1	U.003	0.2	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
32	Main Street	0.01	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
32	Main Street	0.01	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
33	Hartsville #4	U.01	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
33	Hartsville #4	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	0.03	U.005	U.03	U.5	U.15
34	Timmonsville #	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
34	Timmonsville #	0.03	0.02	U.05	U.003	U.1	U.02	U.0002	0.07	U.005	U.03	U.5	U.15
35	S. Ballard Stree	0.02	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
35	S. Ballard Stree	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
36	Elgin	U.01	U.04	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
36	Elgin	0.02	0.04	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
37	Bethune	0.03	0.01	0.16	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
37	Bethune	0.01	0.01	0.04	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
38	Camden	0.01	0.04	0.22	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
38	Camden	0.01	0.05	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
39	Bishopville #4	U.01	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
39	Bishopville #4	0.03	U.01	U.05	0.01	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
40	Swansea	na	0.02	na	na	na	na	U.0002	na	na	na	na	na
40	Swansea	U.05	na	na	na	na	na	na	na	na	na	na	na
40	Swansea	U.01	U.01	0.09	U.003	0.22	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
41	Summit	na	0.03	na	na	U.1	na	U.0002	0.03	na	na	na	na
41	Summit	U.05	na	na	na	na	na	na	na	na	na	na	na
41	Summit	U.01	U.01	0.08	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
42	Hidden Valley	U.05	na	na	na	na	na	na	na	na	na	na	na
42	Hidden Valley	na	0.06	0.05	na	na	na	U.0002	na	na	na	na	na
42	Hidden Valley	U.01	U.01	0.06	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
43	Clio	0.02	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
43	Clio	0.02	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
44	Orng Fish Hatchl	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
44	Orng Fish Hatchl	0.03	U.01	U.05	U.003	U.1	U.02	na	na	na	na	na	na
44	Orng Fish Hatchl	0.04	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.18
45	Fort Jackson	U.05	na	na	na	na	na	na	na	na	na	na	na
45	Fort Jackson	U.01	0.17	0.09	na	na	na	U.0002	na	na	na	na	na
45	Fort Jackson	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
46	Spring Valley	na	U.01	na	na	U.1	na	U.0002	na	na	na	na	na
46	Spring Valley	U.05	na	na	na	na	na	na	na	na	na	na	na
46	Spring Valley	U.01	U.01	0.06	U.003	0.13	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
47	Hopkins	U.05	na	na	na	na	na	na	na	na	na	na	na
47	Hopkins	U.05	U.01	na	na	na	na	U.0002	na	na	na	na	na
47	Hopkins	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
48	North of Eastov	0.02	0.47	0.09	na	na	na	U.0002	na	na	na	na	na
48	North of Eastov	U.05	na	na	na	na	na	na	na	na	na	na	na
49	Sumter Plant 1-	0.04	0.02	U.05	0.00	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
49	Sumter Plant 1-	0.05	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
50	Hemingway	U.01	U.01	U.05	U.003	1.70	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
50	Hemingway	U.01	U.01	U.05	U.003	1.80	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
51	Allendale	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
51	Allendale	0.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
53	Moncks Corner	U.01	U.01	U.05	U.003	2.50	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
53	Moncks Corner	U.01	U.01	U.05	U.003	0.10	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
54	Abbeville	0.01	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
54	Abbeville	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
54	Abbeville (deep)	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
55	Starr	0.01	0.01	0.15	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
55	Starr	U.01	U.01	0.13	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
55	Starr	U.01	0.16	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
56	Blacksburg	U.01	0.04	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
56	Blacksburg	U.01	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
57	Jenkinsville #11	U.05	U.01	U.05	U.003	U.1	na	na	na	na	na	na	na
57	Jenkinsville #11	U.05	0.14	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
57	Jenkinsville #11	U.01	0.06	U.003	0.91	U.02	U.0002	U.02	U.005	U.03	U.5	U.15	
58	Ridgeway	U.05	U.01	U.05	U.003	U.1	na	na	na	na	na	na	na
58	Ridgeway	U.05	0.02	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
58	Ridgeway	U.01	0.03	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
59	Lake Wateree S	U.05	0.32	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
59	Lake Wateree S	U.05	U.01	U.05	U.003	U.1	U.02	na	na	na	na	na	na
59	Lake Wateree S	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
60	Jenkinsville #4	U.05	U.01	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
60	Jenkinsville # 4	U.05	U.01	U.01	U.003	U.1	na	na	na	na	na	na	na
60	Jenkinsville #4	U.01	U.01	0.09	U.003	0.12	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
61	Mauldin	0.02	0.21	0.45	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
62	Fork Shoals	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
62	Fork Shoals	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
63	Gilbert	0.07	0.07	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
63	Gilbert	0.07	U.01	U.05	U.003	U.1	na	na	na	na	na	na	na
63	Gilbert	0.08	0.07	0.06	U.003	0.12	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
64	Little Mountain	U.05	0.02	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
64	Little Mountain	U.05	U.01	U.05	U.003	U.1	na	na	na	na	na	na	na
64	Little Mountain	U.01	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
65	East Cntrl Newl	na	0.34	na	na	na	na	U.0002	na	na	na	na	na
65	East Cntrl Newl	U.05	na	na	na	na	na	na	na	na	na	na	na
65	East Cntrl Newl	U.01	0.4	0.07	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
66	Newberry	0.15	U.01	U.05	U.003	U.1	na	na	na	na	na	na	na
67	Whitmire	0.06	U.01	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
67	Whitmire	0.08	U.01	U.05	U.003	U.1	U.02	na	na	na	na	na	na
67	Whitmire	0.13	U.01	0.09	U.003	0.13	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
68	Chappells	0.04	4.70	na	na	na	na	U.0002	na	na	na	na	na
68	Chappells	0.11	na	na	na	na	na	na	na	na	na	na	na
68	Chappells	0.02	0.9	0.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
69	Newberry	0.02	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
69	Newberry	U.01	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
70	Mountain Rest	0.05	0.04	0.06	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
70	Mountain Rest	0.03	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
70	Mountain Rest	0.02	0.02	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
71	Pickens	0.02	0.01	0.17	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
71	Pickens	0.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
72	Ballentine	U.05	na	na	na	na	na	na	na	na	na	na	na
72	Ballentine	0.03	0.02	na	na	na	na	U.0002	na	na	na	na	na
73	Union	U.01	0.01	0.47	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
73	Union	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
74	Guthries	U.01	0.65	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
74	Guthries	U.01	0.32	0.13	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
75	Abbeville	0.02	0.01	0.11	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
75	Abbeville	0.04	U.01	0.56	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
75	Abbeville (shall)	0.06	U.01	0.94	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
76	Starr	0.01	0.01	0.10	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
76	Starr	U.01	U.01	0.14	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
76	Starr (deep)	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
77	Blacksburg	U.01	1.3	0.11	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
78	Mauldin	0.02	0.20	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
79	Fork Shoals	0.14	0.33	4.60	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
79	Fork Shoals	0.01	0.08	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
80	Newberry	U.01	0.18	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
80	Newberry	U.01	U.01	U.05	U.003	U.1	U.01	U.0002	U.02	U.005	U.03	U.5	U.15
81	Mountain Rest	0.06	0.01	0.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
81	Mountain Rest	0.06	U.01	0.06	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
81	Mountain Rest	0.05	U.01	0.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
82	Pickens	U.01	0.07	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
82	Pickens	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
83	Union	0.01	0.10	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
83	Union	0.01	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
84	McClellanville	0.10	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.21
85	Edisto Beach (10.13)	U.01	U.05	U.003	0.19	0.05	U.0002	U.02	U.005	U.03	U.5	U.15	
86	Bennetts Point	U.05	U.01	U.05	U.003	0.96	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
86	Bennetts Point	U.01	U.01	U.05	U.003	2.30	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
86	Bennetts Point	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.26
86	Bennetts Point	U.01	U.01	U.1	U.003	1.3	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
87	North Santee	0.01	0.90	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.18
88	Socastee	0.05	1.50	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
88	Socastee	0.04	0.48	0.15	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
89	Fairfax	U.05	U.01	U.05	U.003	0.10	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
89	Fairfax	U.05	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
89	Fairfax	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
90	Frogmore	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
90	Frogmore	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
91	Sheldon	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
91	Sheldon	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
91	Sheldon	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
91	Sheldon	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
92	Hilton Head Isl	0.02	0.01	U.05	U.003	U.1	U.02	U.0002	0.08	U.005	U.03	U.5	U.15
92	Hilton Head Isl	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
92	Hilton Head Isl	0.12	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
92	Hilton Head Isl	0.17	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
93	Bluffton	0.02	0.07	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
93	Bluffton	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
93	Bluffton	0.02	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
93	Bluffton	0.02	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
94	Walterboro (29)	U.05	0.02	U.05	U.003	0.28	U.02	U.0002	0.04	U.005	U.03	U.5	U.15
94	Walterboro (29)	U.05	U.01	U.05	U.003	0.16	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
94	Walterboro (29)	U.01	U.01	U.1	U.003	0.2	U.02	U.0002	U.02	U.005	U.03	U.5	0.21
94	Walterboro (29)	U.01	U.01	0.2	U.003	0.2	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
95	Edisto Beach (4)	U.05	0.09	U.05	U.003	1.90	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
95	Edisto Beach (4)	U.01	U.01	U.05	.003	U.1	U.02	U.0002	U.03	U.005	U.03	U.5	U.15
95	Edisto Beach (4)	U.01	U.01	U.1	U.003	2.4	U.02	U.0002	U.02	U.005	U.03	U.5	0.16
96	Lieber Correctic	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
96	Lieber Correctic	U.01	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
97	Hardeeville	U.05	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
97	Hardeeville	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
97	Hardeeville	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
97	Hardeeville	U.01	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
98	Ridgeland	0.06	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
98	Ridgeland	0.06	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
98	Ridgeland	0.05	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
98	Ridgeland	0.05	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
99	Grays	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
99	Grays	0.04	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
99	Grays	0.03	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
99	Grays	0.03	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
100	Cope	0.05	0.60	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
100	Cope	0.06	0.04	U.05	U.003	U.1	na	na	na	na	na	na	na
100	Cope	0.07	4.2	U.1	0.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm
101	Orng Fish Hatch	0.05	na	na	na	na	na	na	na	na	na	na	na
101	Orng Fish Hatch	0.07	0.06	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
101	Orng Fish Hatch	U.01	0.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	0.39
102	Blackville	0.03	U.01	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
102	Blackville	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
102	Blackville	0.02	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
103	Lex-Oak Grove	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
103	Lex-Oak Grove	U.05	0.03	0.09	U.003	U.1	U.02	U.0002	na	na	na	na	na
103	Lex-Oak Grove	0.01	U.01	0.08	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
104	North	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
104	North	U.05	0.02	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
104	North	U.01	0.02	U.1	0.004	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
105	Pickney Estates	0.02	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
105	Pickney Estates	0.02	0.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
106	Hamilton Branc	U.05	U.01	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
106	Hamilton Branc	U.01	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
107	N.W. Edgefield	U.01	0.01	0.75	0.07	0.01	0.00	U.0002	na	na	na	na	na
108	Caesar's Head	na	na	na	na	na	na	U.0002	na	na	na	na	na
108	Caesar's Head	U.01	0.57	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
109	Spartanburg	0.05	0.12	U.05	U.003	U.1	na	U.0002	na	na	na	na	na
109	Spartanburg	0.08	0.17	0.17	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
110	Chester State P:	0.39	0.01	na	na	na	na	U.0002	na	na	na	na	na
110	Chester State P:	0.48	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
111	White Bluff Baj	0.02	0.64	U.05	U.003	U.1	U.02	U.0002	na	na	na	na	na
111	White Bluff Baj	U.01	0.65	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
112	Westside Estate	0.03	0.11	U.05	U.003	U.1	na	U.0002	na	na	na	U.5	na
112	Westside Estate	0.06	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
113	Amick Poultry	0.54	0.03	na	na	na	na	U.0002	na	na	na	na	na
113	Amick Poultry	0.29	0.39	0.18	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
114	WSBH Radio	0.02	0.02	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
114	WSBH Radio	0.02	U.01	U.05	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
114	WSBH Radio	0.02	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15
115	McCormick	0.15	U.01	U.1	U.003	U.1	U.02	U.0002	U.02	U.005	U.03	U.5	U.15

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
01	Bamberg	U.01	U.01	U.02	U.01	U.05	15	U.01	U.02	0.15	Town of Bamberg
01	Bamberg	U.01	U.01	U.02	0.03	U.05	na	0.03	U.02	0.11	Town of Bamberg
01	Bamberg	U.01	U.01	U.02	0.03	U.05	16	0.03	U.02	U.1	Town of Bamberg
01	Bamberg	U.01	U.01	U.02	0.03	U.05	16	0.04	U.02	U.1	Town of Bamberg
02	Williston	U.01	U.01	U.02	U.01	U.05	14	U.01	U.02	U.1	Town of Williston
02	Williston	U.01	U.01	U.02	U.01	U.05	na	0.02	U.02	U.1	Town of Williston
02	Williston	U.01	U.01	U.02	U.01	U.05	14	0.02	U.02	U.1	Town of Williston
03	Elloree	U.01	U.01	U.02	U.01	U.05	17	0.12	U.02	0.11	Town of Elloree
03	Elloree	U.01	U.01	U.02	U.01	U.05	na	0.11	U.02	U.1	Town of Elloree
03	Elloree	U.01	U.01	U.02	U.01	U.05	17	0.11	U.02	U.1	Town of Elloree
04	Bowman	U.01	U.01	U.02	U.01	U.05	14	U.01	U.02	0.15	Town of Bowman
04	Bowman	U.01	U.01	U.02	U.01	U.05	na	0.03	U.02	0.14	Town of Bowman
04	Bowman	U.01	U.01	U.02	U.01	U.05	14	2	U.02	U.1	Town of Bowman
05	Lake View #1	U.01	U.01	U.02	U.01	U.05	36	0.01	U.02	0.14	Town of Lake View
06	Latta #1	U.01	U.01	U.02	U.01	U.05	20	0.04	U.02	0.28	Town of Latta
06	Latta #1	U.01	U.01	U.02	U.01	U.05	22	0.04	U.02	1.75	Town of Latta
07	Johnsonville	U.01	U.01	U.02	U.01	U.05	22	0.02	U.02	0.34	Town of Johnsonville
07	Johnsonville	U.01	U.01	0.03	U.01	U.05	23	0.03	U.02	0.7	Town of Johnsonville
08	McLeod Med C	U.01	U.01	U.02	0.01	U.05	37	0.08	U.02	0.10	McCleod Medical Center
08	McLeod Med C	U.01	U.01	U.02	U.01	U.05	38	0.06	U.02	0.34	McCleod Medical Center
09	Olanta	U.01	U.01	U.02	U.01	U.05	36	0.11	U.02	0.26	Town of Olanta
09	Olanta	U.01	U.01	U.02	U.01	U.05	39	0.11	U.02	0.13	Town of Olanta
10	Pamplico #1	U.01	U.01	U.02	U.01	U.05	35	0.02	U.02	0.30	Town of Pamplico
10	Pamplico #1	U.01	U.01	U.02	U.01	U.05	39	0.01	U.02	1.5	Town of Pamplico
11	Andrews #2	U.01	U.01	U.02	0.01	U.05	14	0.04	U.02	0.34	Town of Andrews
11	Andrews #2	U.01	U.01	U.02	U.01	U.05	14	0.05	U.02	U.1	Town of Andrews
12	Georgetown #2	U.01	U.01	U.02	0.01	U.05	13	0.08	U.02	0.26	City of Georgetown
12	Georgetown #2	U.01	U.01	U.02	0.01	U.05	14	0.08	U.02	0.28	City of Georgetown
13	Conway #6	U.01	U.01	U.02	0.01	U.05	14	0.08	U.02	0.42	City of Conway
13	Conway #6	U.01	U.01	0.04	U.01	U.05	9.8	0.05	0.08	0.52	City of Conway
14	Surfside-Poplar	U.01	U.01	U.02	0.01	U.05	16	0.07	U.02	0.38	Town of Surfside Beach
14	Surfside-Poplar	U.01	U.01	U.02	U.01	U.05	15	0.06	U.02	0.87	Town of Surfside Beach
15	Myrtlewood	U.01	U.01	U.02	0.01	U.05	4.4	0.07	0.59	0.42	City of Myrtle Beach
15	Myrtlewood	U.01	U.01	U.02	U.01	U.05	5.8	0.18	U.02	1.01	City of Myrtle Beach
16	Longs #2	U.01	U.01	U.02	0.01	U.05	12	0.17	U.02	0.70	G.S.W.S.A.
16	Longs #2	U.01	U.01	0.02	0.02	U.05	12	0.34	U.02	0.89	G.S.W.S.A.
17	Mullins-Gapwa	U.01	U.01	U.02	U.01	U.05	39	0.04	U.02	0.20	Town of Mullins
17	Mullins-Gapwa	U.01	U.01	U.02	U.01	U.05	42	0.04	U.02	0.55	Town of Mullins
18	Oakland Plantat	U.01	U.01	U.02	U.01	U.05	11	0.01	0.28	U.1	Oakland Plantation
18	Oakland Plantat	U.01	U.01	U.02	U.01	U.05	5.3	0.01	0.17	U.1	Oakland Plantation

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
19	Watson Correct	U.01	U.01	U.02	0.01	U.05	9.1	0.01	1.24	U.1	Wateree Correctional Institu
19	Watson Correct	U.01	U.01	U.02	U.01	U.05	4.4	0.01	0.16	U.1	Wateree Correctional Institu
20	Kingstree RT 3'	U.01	U.01	U.02	U.01	U.05	22	0.04	U.02	0.38	Town of Kingstree
20	Kingstree RT 3'	U.01	U.01	0.02	U.01	U.05	23	0.04	U.02	0.54	Town of Kingstree
21	St. Stephens	U.01	U.01	U.02	U.01	U.05	14	0.04	U.02	0.44	Town of St. Stephens
21	St. Stephens	U.01	U.01	U.02	U.01	U.05	14	0.03	U.02	U.1	Town of St. Stephens
22	Summerville #5	U.01	U.01	U.02	0.01	U.05	16	0.02	U.02	1.22	Town of St. Stephens
22	Summerville #5	U.01	U.01	U.02	0.01	U.05	U.03	U.01	U.02	0.22	Town of St. Stephens
23	Cainhoy High S	U.01	0.01	U.02	0.01	U.05	34	0.24	U.02	0.62	Berkeley Co. Sch. District
23	Cainhoy High S	U.01	U.01	U.02	0.01	U.05	36	0.25	U.02	0.49	Berkeley Co. Sch. District
24	Santee Cooper	U.01	0.01	U.02	0.02	U.05	36	0.20	U.02	1.18	Town of Moncks Corner
24	Santee Cooper	U.01	U.01	U.02	0.02	U.05	0.04	0.20	U.02	0.25	Town of Moncks Corner
25	St. Matthews	U.01	U.01	U.02	U.01	U.05	14	U.01	2.20	0.13	Town of St. Matthews
25	St. Matthews	U.01	U.01	U.02	U.01	U.05	na	0.02	1.99	U.1	Town of St. Matthews
25	St. Matthews	U.01	U.01	U.02	U.01	U.05	14	0.02	1.96	U.1	Town of St. Matthews
26	Wagener	na	U.1	Town of Wagener							
26	Wagener	U.01	U.01	U.02	U.01	U.05	7.7	U.01	U.02	U.1	Town of Wagener
27	North Augusta	U.01	U.01	U.02	U.01	U.05	5.7	U.01	1.36	U.1	City of North Augusta
28	Montmorenci-C	na	na	na	na	na	na	0.74	na	Montmorenci-Couchton Wtr	
28	Montmorenci-C	U.01	U.01	U.02	U.01	U.05	6.9	U.01	0.87	U.1	Montmorenci-Couchton Wtr
28	Montmorenci-C	U.01	U.01	U.02	U.01	U.05	7.3	U.01	0.46	U.1	Montmorenci-Couchton Wtr
29	Parris Island	U.01	U.01	U.02	0.03	U.05	na	0.07	0.02	0.87	U.S.M.C.
29	Parris Island	U.01	U.01	U.02	U.01	U.05	19	0.07	U.02	0.73	U.S.M.C.
29	Parris Island	U.01	U.01	U.02	0.03	U.05	1	0.05	U.02	0.86	U.S.M.C.
29	Parris Island	U.01	U.01	U.02	0.02	U.05	9.1	0.04	U.02	0.71	U.S.M.C.
30	Patrick #1	U.01	U.01	U.02	U.01	U.05	7.2	U.01	U.02	U.1	Town of Patrick
30	Patrick #1	U.01	U.01	U.02	U.01	U.05	7.6	U.01	0.09	U.1	Town of Patrick
31	Walterboro (50)	U.01	U.01	U.02	U.01	U.05	18	U.01	U.02	0.39	City of Walterboro
31	Walterboro (50)	U.01	U.01	U.02	U.01	U.05	na	0.05	U.02	0.27	City of Walterboro
31	Walterboro (50)	U.01	U.01	U.02	U.01	U.05	31	0.05	U.02	0.24	City of Walterboro
32	Main Street	U.01	U.01	U.02	0.02	U.05	10	0.01	U.02	0.34	City of Darlington
32	Main Street	U.01	U.01	U.02	0.02	U.05	11	0.01	U.02	U.1	City of Darlington
33	Hartsville #4	U.01	U.01	U.02	U.01	U.05	8.6	U.01	0.05	U.1	Town of Hartsville
33	Hartsville #4	U.01	0.01	U.02	U.01	U.05	8.2	0.01	0.09	U.1	Town of Hartsville
34	Timmonsville #	U.01	U.01	U.02	0.01	U.05	15	0.03	U.02	0.12	Town of Timmonsville
34	Timmonsville #	U.01	U.01	U.02	0.01	U.05	16	0.03	0.02	0.22	Town of Timmonsville
35	S. Ballard Stree	U.01	U.01	U.02	U.01	U.05	17	0.07	U.02	0.12	City of Florence
35	S. Ballard Stree	U.01	U.01	U.02	U.01	U.05	21	0.07	U.02	0.69	City of Florence
36	Elgin	U.01	U.01	U.02	U.01	U.05	5.5	U.01	0.71	0.12	Town of Elgin
36	Elgin	U.01	U.01	U.02	U.01	U.05	2.6	U.01	1.02	U.1	Town of Elgin

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
37	Bethune	U.01	U.01	U.02	U.01	U.05	5.8	0.04	5.80	U.1	Bethune Rural Water Co.
37	Bethune	U.01	U.01	U.02	U.01	U.05	3.1	0.01	3.7	U.1	Bethune Rural Water Co.
38	Camden	U.01	U.01	U.02	U.01	U.05	6.1	0.01	1.89	0.12	Charles-Thomp Water Dis.
38	Camden	U.01	U.01	U.02	U.01	U.05	2.9	U.01	0.49	U.1	Charles-Thomp Water Dis.
39	Bishopville #4	U.01	U.01	U.02	U.01	U.05	8.4	U.01	U.02	U.1	Town of Bishopville
39	Bishopville #4	U.01	U.01	U.02	U.01	U.05	4.3	U.01	U.02	U.1	Town of Bishopville
40	Swansea	na	na	Town of Swansea							
40	Swansea	U.01	U.01	na	na	na	na	na	U.02	na	Town of Swansea
40	Swansea	U.01	U.01	U.02	U.01	U.05	8.3	U.01	U.02	U.1	Town of Swansea
41	Summit	U.01	na	na	na	na	na	0.01	1.80	na	Gilbert-Summit Rural Wtr Ds
41	Summit	U.01	U.01	na	na	na	na	na	1.76	na	Gilbert-Summit Rural Wtr Ds
41	Summit	U.01	U.01	U.02	U.01	U.05	4.9	0.11	1.33	U.1	Gilbert-Summit Rural Wtr Ds
42	Hidden Valley	U.01	U.01	na	na	na	na	na	0.38	na	Carolina Water Company
42	Hidden Valley	na	na	na	na	na	3.1	na	0.30	0.33	Carolina Water Company
42	Hidden Valley	U.01	U.01	U.02	U.01	U.05	6.1	U.01	0.39	U.1	Carolina Water Company
43	Clio	U.01	U.01	U.02	0.01	U.05	12	0.02	0.24	U.1	Town of Clio
43	Clio	U.01	U.01	U.02	0.01	U.05	14	0.01	0.14	U.1	Town of Clio
44	Orng Fish Hatchl	U.01	U.01	U.02	U.01	U.05	17	U.01	U.02	0.13	U.S. Fish & Wildlife
44	Orng Fish Hatchl	na	na	0.03	na	na	na	na	na	na	U.S. Fish & Wildlife
44	Orng Fish Hatchl	U.01	U.01	U.02	0.02	U.05	16	0.04	0.02	U.1	U.S. Fish & Wildlife
45	Fort Jackson	U.01	U.01	na	na	na	na	na	0.36	na	Fort Jackson
45	Fort Jackson	U.01	U.01	na	na	na	3.6	na	0.17	0.18	Fort Jackson
45	Fort Jackson	U.01	U.01	U.02	U.01	U.05	6.3	U.01	0.36	U.1	Fort Jackson
46	Spring Valley	na	1.03	na	S.V. Presbyterian Church						
46	Spring Valley	U.01	U.01	na	na	na	na	na	1.34	na	S.V. Presbyterian Church
46	Spring Valley	U.01	U.01	U.02	U.01	U.05	4.7	U.01	1.55	0.12	S.V. Presbyterian Church
47	Hopkins	U.01	U.01	na	na	na	na	na	0.22	na	Raymond Knox
47	Hopkins	na	0.16	na	Raymond Knox						
47	Hopkins	U.01	U.01	U.02	U.01	U.05	7.3	U.01	0.20	U.1	Raymond Knox
48	North of Eastov	na	na	0.02	na	na	0.01	0.02	na	na	Ida Simons
48	North of Eastov	U.01	U.01	na	na	na	na	na	0.03	na	Ida Simons
49	Sumter Plant 1-	U.01	U.01	U.02	0.03	U.05	16	0.01	0.03	0.14	City of Sumter
49	Sumter Plant 1-	U.01	U.01	U.02	0.03	U.05	6.2	0.01	0.02	U.1	City of Sumter
50	Hemingway	U.01	U.01	U.02	0.01	U.05	15	0.03	0.28	0.18	Town of Hemingway
50	Hemingway	U.01	U.01	U.02	U.01	U.05	13	0.03	U.02	0.7	Town of Hemingway
51	Allendale	U.01	U.01	U.02	U.01	U.05	13	0.06	U.02	0.17	City of Allendale
51	Allendale	U.01	U.01	U.02	U.01	U.05	14	0.06	U.02	U.1	City of Allendale
53	Moncks Corner	U.01	U.01	U.02	0.03	U.05	19	0.18	0.02	0.52	Holly Hill School District 3
53	Moncks Corner	U.01	U.01	U.02	0.01	U.05	0.04	0.36	U.02	0.17	Town of Moncks Corner
54	Abbeville	U.01	U.01	U.02	0.01	U.05	28	0.02	1.54	0.17	W. J. Evans, Jr.

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
54	Abbeville	U.01	U.01	U.02	U.01	U.05	23	0.02	2	U.1	W. J. Evans, Jr.
54	Abbeville (deep)	U.01	U.01	U.02	U.01	U.05	25	0.03	1.79	U.1	W. J. Evans, Jr.
55	Starr	U.01	0.01	U.02	0.01	U.05	17	0.02	0.68	0.14	Jim White
55	Starr	U.01	U.01	U.02	U.01	U.05	17	0.02	0.86	U.1	Jim White
55	Starr	U.01	U.01	U.02	U.01	U.05	13	0.05	2.4	0.51	Jim White
56	Blacksburg	U.01	U.01	U.02	U.01	U.05	12	U.01	0.29	U.1	Betty Walker
56	Blacksburg	U.01	U.01	U.02	U.01	U.05	34	0.01	0.43	U.1	Betty Walker
57	Jenkinsville #11	U.01	U.01	na	na	na	na	na	0.20	na	Jenkinsville Water System
57	Jenkinsville #11	na	na	na	na	na	24	0.05	0.92	1.42	Jenkinsville Water System
57	Jenkinsville #11	U.01	U.02	0.01	U.05	49	0.07	0.84	0.12	na	Jenkinsville Water System
58	Ridgeway	U.01	U.01	na	na	na	na	na	5.40	na	Town of Ridgeway
58	Ridgeway	na	na	na	0.01	na	16	0.05	0.06	na	Town of Ridgeway
58	Ridgeway	U.01	U.02	U.01	U.05	45	0.05	0.05	U.1	na	Town of Ridgeway
59	Lake Wateree S	na	na	na	na	na	22	0.05	0.78	na	S.C. Dept. of P.R.T
59	Lake Wateree S	U.01	U.01	na	na	na	na	na	0.86	na	S.C. Dept. of P.R.T
59	Lake Wateree S	U.01	U.02	U.01	U.05	32	U.01	0.91	U.1	na	S.C. Dept. of P.R.T
60	Jenkinsville #4	na	na	na	na	na	18	0.06	1.85	na	Jenkinsville Water System
60	Jenkinsville #4	U.01	U.01	na	na	na	na	na	2.80	na	Jenkinsville Water System
60	Jenkinsville #4	U.01	U.02	U.01	U.05	37	0.07	2.4	0.12	na	Jenkinsville Water System
61	Mauldin	U.01	U.02	0.01	U.05	5.2	U.01	1.20	0.16	na	Paul Gartensleben
62	Fork Shoals	U.01	U.01	U.02	U.01	U.05	22	0.05	1.32	0.16	Lee & Sims Drilling
62	Fork Shoals	U.01	U.01	U.02	U.01	U.05	25	0.06	1.62	U.1	Lee & Sims Drilling
63	Gilbert	na	na	na	0.04	na	na	0.05	na	na	Gilbert-Summit Rural Wtr Ds
63	Gilbert	U.01	U.01	na	na	na	na	na	0.05	na	Gilbert-Summit Rural Wtr Ds
63	Gilbert	U.01	U.01	U.02	0.04	U.05	49	0.05	U.02	U.1	Gilbert-Summit Rural Wtr Ds
64	Little Mountain	na	na	na	na	na	18	0.06	1.85	na	Newberry Co. Water System
64	Little Mountain	U.01	U.01	na	na	na	na	na	2.40	na	Newberry Co. Water System
64	Little Mountain	U.01	U.01	U.02	U.01	U.05	38	0.07	1.53	U.1	Newberry Co. Water System
65	East Cntrl Newl	na	na	na	na	na	17	0.10	0.82	na	Charles Doolittle
65	East Cntrl Newl	U.01	U.01	na	na	na	na	na	0.94	na	Charles Doolittle
65	East Cntrl Newl	U.01	U.01	U.02	U.01	U.05	38	0.09	0.88	U.1	Charles Doolittle
66	Newberry	U.01	U.01	na	na	na	na	na	2.10	na	Newberry Co. Water System
67	Whitmire	na	na	na	0.01	na	25	0.12	na	0.11	Marshall Revels
67	Whitmire	U.01	U.01	na	na	na	na	na	0.04	na	Marshall Revels
67	Whitmire	U.01	U.01	U.02	0.01	U.05	54	0.15	U.02	U.1	Marshall Revels
68	Chappells	na	na	na	0.01	na	27	0.09	0.18	0.14	Ed Harmon
68	Chappells	U.01	U.01	na	na	na	na	na	0.18	na	Ed Harmon
68	Chappells	U.01	U.01	U.02	U.01	U.05	55	0.1	0.16	0.27	Ed Harmon
69	Newberry	U.01	U.01	U.02	U.01	U.05	16	0.06	8.30	0.10	Edna Martin
69	Newberry	U.01	U.01	U.02	U.01	U.05	20	0.1	8.1	U.1	Edna Martin

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
70	Mountain Rest	U.01	U.01	U.02	U.01	U.05	8.7	U.01	1.30	0.16	John Long
70	Mountain Rest	U.01	U.01	U.02	U.01	U.05	9	U.01	1.2	U.1	John Long
70	Mountain Rest	U.01	U.01	U.02	U.01	U.05	10	U.01	0.85	U.1	John Long
71	Pickens	U.01	0.01	U.02	0.01	U.05	6.4	U.01	0.12	U.1	Alvin Burgess
71	Pickens	U.01	U.01	U.02	U.01	U.05	5.5	U.01	0.08	U.1	Alvin Burgess
72	Ballentine	na	U.01	na	na	na	na	na	0.76	na	Ralph Broom
72	Ballentine	na	0.05	1.77	na						
73	Union	U.01	U.01	U.02	U.01	U.05	26	0.07	0.78	0.18	Johnny Horne
73	Union	U.01	U.01	U.02	U.01	U.05	25	0.07	0.86	U.1	Johnny Horne
74	Guthries	U.01	U.01	U.02	U.01	U.05	33	0.07	0.29	0.12	Joe Daves
74	Guthries	U.01	U.01	U.02	U.01	U.05	34	0.07	0.55	U.1	Joe Daves
75	Abbeville	U.01	0.01	U.02	0.01	U.05	22	0.08	1.04	0.20	Shannon Sutherland
75	Abbeville	U.01	U.01	U.02	U.01	U.05	19	0.04	0.83	U.1	Shannon Sutherland
75	Abbeville (shall)	U.01	U.01	U.02	U.01	U.05	20	0.04	1.34	U.1	Shannon Sutherland
76	Starr	U.01	U.01	U.02	U.01	U.05	27	0.53	U.02	0.26	Dennis Glenn
76	Starr	U.01	U.01	U.02	U.01	U.05	25	0.04	3.6	1.5	Dennis Glenn
76	Starr (deep)	U.01	U.01	U.02	U.01	U.05	23	0.05	1.42	U.1	Dennis Glenn
77	Blacksburg	U.01	U.01	U.02	U.01	U.05	25	0.02	U.02	U.1	James Martin
78	Mauldin	U.01	U.01	U.02	0.01	U.05	6.7	U.01	2.00	0.20	Paul Gartensleben
79	Fork Shoals	U.01	U.01	U.02	0.08	U.05	55	0.09	0.06	0.16	Lee & Sims Drilling
79	Fork Shoals	U.01	U.01	U.02	0.06	U.05	37	0.09	U.02	U.1	Lee & Sims Drilling
80	Newberry	U.01	U.01	U.02	U.01	U.05	50	0.09	0.56	U.1	Deborah Shealy
80	Newberry	U.01	U.01	U.02	U.01	U.05	50	0.09	0.72	U.1	Deborah Shealy
81	Mountain Rest	U.01	U.01	U.02	0.01	U.05	9.1	U.01	1.10	0.10	James Barnes
81	Mountain Rest	U.01	U.01	U.02	U.01	U.05	8.7	U.01	1.56	U.1	James Barnes
81	Mountain Rest	U.01	U.01	U.02	U.01	U.05	9.2	U.01	1.76	U.1	James Barnes
82	Pickens	U.01	U.01	U.02	U.01	U.05	22	U.01	0.05	U.1	Chuck Ward
82	Pickens	U.01	U.01	U.02	U.01	U.05	21	0.02	0.04	U.1	Chuck Ward
83	Union	U.01	U.01	U.02	U.01	U.05	38	0.22	7.40	0.10	Martin Lawson
83	Union	U.01	U.01	U.02	U.01	U.05	36	0.17	4.0	U.1	Martin Lawson
84	McClellanville	U.01	0.01	U.02	0.01	U.05	39	0.32	U.02	0.92	Charleston Co. School Dis
85	Edisto Beach (1)	U.01	U.01	U.02	U.01	U.05	21	0.87	U.02	1.11	Town of Edisto Beach
86	Bennetts Point	U.01	U.01	U.02	U.01	U.05	30	0.07	U.02	0.65	Walter Bailey, Jr.
86	Bennetts Point	U.01	U.01	U.02	0.05	U.05	na	0.12	U.02	1.26	Walter Bailey, Jr.
86	Bennetts Point	U.01	U.01	U.02	0.01	U.05	32	0.11	U.02	0.52	Walter Bailey, Jr.
86	Bennetts Point	U.01	U.01	U.02	0.02	U.05	34	0.14	U.02	0.7	Walter Bailey, Jr.
87	North Santee	U.01	0.01	U.02	0.01	U.05	59	0.35	U.02	0.58	Joe Johnson
88	Socastee	U.01	U.01	U.02	0.01	U.05	18	0.04	U.02	0.26	Jerry Whitman
88	Socastee	U.01	U.01	0.04	U.01	U.05	18	0.05	0.04	U.1	Jerry Whitman
89	Fairfax	U.01	U.01	U.02	U.01	U.05	25	0.12	U.02	0.27	Town of Fairfax

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
89	Fairfax	U.01	U.01	U.02	U.01	U.05	na	0.12	U.02	0.16	Town of Fairfax
89	Fairfax	U.01	U.01	U.02	U.01	U.05	27	0.14	U.02	0.24	Town of Fairfax
90	Frogmore	U.01	U.01	U.02	U.01	U.05	24	0.26	U.02	0.27	David Godley
90	Frogmore	U.01	U.01	U.02	U.01	U.05	24	0.24	0.19	0.21	David Godley
91	Sheldon	U.01	U.01	U.02	U.01	U.05	na	0.46	U.02	0.35	Barry Mixson
91	Sheldon	U.01	U.01	U.02	U.01	U.05	31	0.49	U.02	0.32	Barry Mixson
91	Sheldon	U.01	U.01	U.02	U.01	U.05	30	0.49	U.02	0.38	Barry Mixson
91	Sheldon	U.01	U.01	U.02	U.01	U.05	30	0.46	0.14	0.21	Barry Mixson
92	Hilton Head Isl	U.01	U.01	U.02	0.01	U.05	na	0.73	0.12	0.10	Wexford Plantation
92	Hilton Head Isl	U.01	U.01	U.02	U.01	U.05	39	0.54	U.02	0.20	Wexford Plantation
92	Hilton Head Isl	U.01	U.01	U.02	0.01	U.05	31	0.79	U.02	0.71	Wexford Plantation
92	Hilton Head Isl	U.01	U.01	U.02	0.01	U.05	26	0.74	U.02	0.74	Wexford Plantation
93	Bluffton	U.01	U.01	U.02	U.01	U.05	na	1.10	U.02	0.22	U.S. Fish & Wildlife
93	Bluffton	U.01	U.01	U.02	U.01	U.05	30	1.20	U.02	0.31	U.S. Fish & Wildlife
93	Bluffton	U.01	U.01	U.02	U.01	U.05	28	0.99	U.02	0.24	U.S. Fish & Wildlife
93	Bluffton	U.01	U.01	U.02	U.01	U.05	29	1.1	U.02	0.2	U.S. Fish & Wildlife
94	Walterboro (29)	U.01	U.01	U.02	U.01	U.05	na	0.04	0.07	0.15	City of Walterboro
94	Walterboro (29)	U.01	U.01	U.02	U.01	U.05	28	0.06	U.02	0.37	City of Walterboro
94	Walterboro (29)	U.01	U.01	U.02	U.01	U.05	29	0.06	U.02	0.17	City of Walterboro
94	Walterboro (29)	U.01	U.01	U.02	U.01	U.05	29	0.06	U.02	0.22	City of Walterboro
95	Edisto Beach (4	U.01	U.01	U.02	U.01	U.05	12	1.00	0.02	1.53	Town of Edisto Beach
95	Edisto Beach (4	U.01	U.01	U.02	0.02	U.05	na	0.12	U.02	0.72	Town of Edisto Beach
95	Edisto Beach (4	U.01	U.01	U.02	0.05	U.05	29	1.1	U.02	1.07	Town of Edisto Beach
96	Lieber Correctic	U.01	U.01	U.02	U.01	U.05	22	0.11	U.02	0.46	S.C. Dept. of Corrections
96	Lieber Correctic	U.01	U.01	U.02	U.01	U.05	0.03	0.12	U.02	U.1	S.C. Dept. of Corrections
97	Hardeeville	U.01	U.01	U.02	U.01	U.05	na	0.46	U.02	U.1	Town of Hardeeville
97	Hardeeville	U.01	U.01	U.02	U.01	U.05	39	0.49	U.02	0.15	Town of Hardeeville
97	Hardeeville	U.01	U.01	U.02	U.01	U.05	41	0.48	U.02	1.2	Town of Hardeeville
97	Hardeeville	U.01	U.01	U.02	U.01	U.05	42	0.49	U.02	U.1	Town of Hardeeville
98	Ridgeland	U.01	U.01	U.02	U.01	U.05	na	0.32	U.02	0.12	Town of Ridgeland
98	Ridgeland	U.01	U.01	U.02	U.01	U.05	35	0.36	U.02	0.15	Town of Ridgeland
98	Ridgeland	U.01	U.01	U.02	U.01	U.05	35	0.34	U.02	0.11	Town of Ridgeland
98	Ridgeland	U.01	U.01	U.02	U.01	U.05	34	0.33	0.95	U.1	Town of Ridgeland
99	Grays	U.01	U.01	U.02	U.01	U.05	30	0.20	U.02	0.17	William D. Mixon
99	Grays	U.01	U.01	U.02	U.01	U.05	na	0.19	U.02	0.28	William D. Mixon
99	Grays	U.01	U.01	U.02	U.01	U.05	31	0.19	U.02	0.26	William D. Mixon
99	Grays	U.01	U.01	U.02	U.01	U.05	30	0.18	0.27	U.1	William D. Mixon
100	Cope	U.01	U.01	U.02	U.01	U.05	40	0.14	U.02	0.13	Cope Area Vocational Cntr
100	Cope	na	na	na	na	na	na	0.14	U.02	0.10	Cope Area Vocational Cntr
100	Cope	U.01	U.01	U.02	10	U.05	24	0.14	U.02	U.1	Cope Area Vocational Cntr

## Appendix D

WELL #	LOCATION	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm	NO3_ppm	TKN_ppm	OWNER
101	Orng Fish Hatchl na		na	na	na	na	na	0.17	U.02	na	U.S. Fish & Wildlife
101	Orng Fish Hatchl U.01		U.01	U.02	U.01	U.05	35	0.18	0.84	0.17	U.S. Fish & Wildlife
101	Orng Fish Hatchl U.01		U.01	U.02	U.01	U.05	37	0.17	0.38	U.1	U.S. Fish & Wildlife
102	Blackville	na	na	na	na	na	na	0.10	U.02	0.13	Town of Blackville
102	Blackville	U.01	U.01	U.02	U.01	U.05	39	0.10	U.02	0.13	Town of Blackville
102	Blackville	U.01	U.01	U.02	U.01	U.05	41	0.1	U.02	U.1	Town of Blackville
103	Lex-Oak Grove U.01		U.01	na	na	na	na	na	0.42	na	Lexington Co. School Dis.
103	Lex-Oak Grove na		na	na	na	na	19	0.06	1.26	U.1	Lexington Co. School Dis.
103	Lex-Oak Grove U.01		U.01	U.02	U.01	U.05	5.5	U.01	0.84	U.1	Lexington Co. School Dis.
104	North	U.01	U.01	U.02	U.01	U.05	7.9	U.01	0.98	0.13	Aiken Electric Cooperative
104	North	na	1.05	0.10	Aiken Electric Cooperative						
104	North	U.01	U.01	U.02	U.01	U.05	8.1	U.01	1.26	U.1	Aiken Electric Cooperative
105	Pickney Estates U.01		U.01	U.02	U.01	U.05	12	0.04	0.03	U.1	City of Sumter
105	Pickney Estates U.01		U.01	U.02	U.01	U.05	8	0.05	0.02	U.1	City of Sumter
106	Hamilton Branc na		na	na	na	na	32	0.04	na	na	S.C. Dept. of P.R.T
106	Hamilton Branc U.01		U.01	U.02	U.01	U.05	28	0.04	0.35	U.1	S.C. Dept. of P.R.T
107	N.W. Edgefield na		na	na	na	na	70	na	na	na	Forrest View Manor
108	Caesar's Head	na	na	na	na	na	8	na	0.11	na	S.C. Dept. of P.R.T
108	Caesar's Head	U.01	U.01	U.02	U.01	U.05	15	0.02	U.02	U.1	S.C. Dept. of P.R.T
109	Spartanburg	na	na	na	na	na	39	0.19	0.06	0.10	City/County Government
109	Spartanburg	U.01	U.01	U.02	U.01	U.05	38	0.20	0.15	U.1	City/County Government
110	Chester State P:na		na	na	na	na	46	0.17	na	0.13	S.C. Dept. of P.R.T
110	Chester State P:U.01		U.01	U.02	U.01	U.05	43	0.19	U.02	U.1	S.C. Dept. of P.R.T
111	White Bluff Bajna		na	na	na	na	45	0.02	na	na	White Bluff Baptist Church
111	White Bluff BajU.01		U.01	U.02	U.01	U.05	38	0.03	0.07	U.1	White Bluff Baptist Church
112	Westside Estate na		na	na	0.01	na	42	0.06	0.21	na	Bruce Atkinson
112	Westside Estate U.01		U.01	U.02	0.01	U.05	37	0.06	0.16	U.1	Bruce Atkinson
113	Amick Poultry	na	na	0.03	na	27	0.03	0.06	0.14	Bill Amick	
113	Amick Poultry	U.01	U.01	0.04	0.03	U.05	26	0.1	0.02	U.1	Bill Amick
114	WSBH Radio	U.01	U.01	U.02	U.01	U.05	29	0.20	U.02	0.22	Christian Broadcast
114	WSBH Radio	U.01	U.01	U.02	U.01	U.05	25	0.19	U.02	U.1	Christian Broadcast
114	WSBH Radio	U.01	U.01	U.02	U.01	U.05	28	0.18	0.43	U.1	Christian Broadcast
115	McCormick	U.01	U.01	U.02	U.01	U.05	37	0.42	0.34	U.1	City of McCormick